SUPREME COURT OF THE UNITED STATES

No. 1, Original

THE STATE OF NEW MEXICO, COMPLAINANT

v.

THE STATE OF COLORADO, DEFENDANT

REPORT OF THE BOUNDARY COMMISSIONER

PART TWO OF THREE

FROM SANGRE DE CRISTO RANGE
TO CONTINENTAL DIVIDE

SUPREME COURT OF THE UNITED STATES

OCTOBER TERM, 1959

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FROM SANGRE DE CRISTO RANGE TO CONTINENTAL DIVIDE

JOSEPH C. THOMA,
Boundary Commissioner.

WASHINGTON, D. C., May 2, 1960.

THE COURIER PRINTING CO., LITTLETON, N. H.

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SUPREME COURT OF THE UNITED STATES

October Term, 1959

No. 1, Original

THE STATE OF NEW MEXICO, Complainant

vs.

THE STATE OF COLORADO, Defendant

SECOND REPORT OF THE BOUNDARY COMMISSIONER

To the Chief Justice and the Associated Justices of the Supreme Court of the United States:

In further continuation of our work as commissioners designated in the Decree of April 13, 1925 (268 U. S., 108) in the above entitled case, the late Arthur D. Kidder and I have run, located, and marked upon the ground the boundary line between the States of Colorado and New Mexico in accordance with Section Two of the Decree and the principles announced in the Opinion delivered January 26, 1925 (267 U. S. 30).

All field work was done under the supervision of Arthur D. Kidder, Boundary Commissioner. (Mr. Kidder died suddenly at his home in Terre Haute, Indiana, in June, 1958.)

On July 2, 1958, The Supreme Court of the United States appointed Joseph C. Thoma, of Washington, D. C., Boundary Commissioner, to complete the report and field notes of the boundary survey. Mr. Thoma was assisted in his duties by Gordon E. Ainsworth and Associates of South Deerfield, Massachusetts, and Phoenix, Arizona.

The report of the survey will be given in three parts, viz:

PART ONE:

From the Northeastern corner of New Mexico westward to the Crest of the Sangre de Cristo Range

PART TWO:

From the Crest of the Sangre de Cristo Range westward to the Continental Divide

PART THREE:

From the Continental Divide westward to the corners of the four States: Arizona, Colorado, New Mexico and Utah.

SPECIFIC REPORT OF THE BOUNDARY COMMISSIONER

PART TWO

From the Crest of the Sangre de Cristo Range westward to the Continental Divide

This report continues the record of the field notes and mapping of the boundary survey between the States of Colorado and New Mexico, from the Crest of the Sangre de Cristo Range, terminal point for Part One, delivered to the Clerk of the Supreme Court on March 3, 1960, westward to the Continental Divide.

Unlike the first portion of the boundary, which had been subjected to exploratory surveys, this portion of the boundary was first surveyed and marked by Ehud N. Darling in 1868. Much simplified, the record shows that because of the extent of the obliterations of the marks of this Darling survey and for its dubious validity because of its alignment in latitude, the Commissioner of the General Land Office employed Howard B. Carpenter, to make an independent resurvey of the boundary between the States, not predicated on the Darling survey, to correct both conditions of the Darling survey; the loss of its marks and its incorrect location. The Commissioner did specifically instruct Carpenter to obliterate all evidences of the Darling boundary survey. Carpenter accomplished and reported as completed the above task in 1904. The General Land Office officially accepted the Carpenter survey and used it until 1908, when a Joint Resolution of the Congress accepting the Carpenter survey as the true boundary was vetoed by the President.

To acquire a more detailed knowledge of the events which was ultimately concluded by a decree of the Supreme Court, the reader is referred to the Opinion of the Supreme Court (267 U. S. 30), dated January 26, 1925. Of immediate concern now is the establishment of the basis for the acceptance of this portion of the survey when the events prior to the retracement and reestablishment of the Darling line by Arthur D. Kidder, Boundary Commissioner, indicate that:

1. The original Darling line had become obliterated to the extent that a resurvey was deemed necessary and so ordered.
2. The resurvey, as ordered, was not to be dependent on the remaining Darling marks, but rather, was to have destroyed all evidence of same.

The following percentagewise tabulation is based on the markers established on the original boundary survey line as recorded by Darling. The recorded number of monuments is taken to be 100%, and the interval of the reestablished line under consideration is the same as this report; from Darling's 121st Mile Corner to his 203rd, as reestablished by Wm. C. Perkins in 1917, inclusive.

Markers, the Darling Line		100%
Markers found and destroyed by Carpenter	19%	
Markers recovered by Arthur D. Kidder	64%	
Markers obliterated or lost beyond identification	36%	
Markers reestablished by Arthur D. Kidder		143%

Whereas the retracement of the Darling line by Kidder recovered or otherwise identified 64% of the Darling monuments, this is subdivided to show the means of monument identification, as follows:

Total Darling monuments recovered		100%
Percentage of above found as a monument with deposit and recorded ties	37%	
Percentage of above identified by a deposit stone only	16%	
Percentage of above by firmly set and marked stones	47%	

The first tabulation shows that 36% of the original Darling monuments were lost, of which, 19% are credited with destruction by Carpenter. Of this 82 miles of boundary, there were only two areas where the destruction of the Darling markers was comprehensive, resulting in retracements of more than one or two miles in length. One of these two areas was in the San Luis Valley, from Darling's 136th to 143rd Mile Corners, both of the above original corners firmly set and clearly marked. With the destruction of the 136th, 143rd and 144th Darling Corners the retracement would have had to be close to 15 miles in length, more than twice the retracement length actually required. Carpenter stated in his field notes for his 168th mile, that he destroyed the marks on Darling's 164th Mile Corner, and in addition, "The Darling Corners were found and destroyed from this point eastward to the foot of the Culebra Range" (Darling's 131st approximately). "They were nearly all lying on the ground, not witnessed in any way. They were generally well and distinctly marked."

The tabulation below, covering the above portion of the Darling Boundary subjected to destruction by natural forces and the deliberate efforts of man, shows how well the line resisted obliteration.

Markers, the Darling line (131st to 164th inclusive)	100%
Markers found and destroyed by Carpenter, reported	100%
Markers found and destroyed by Carpenter (per Kidder's resurvey)	35%
Markers recovered by Arthur D. Kidder	65%
Markers obliterated or lost beyond identification	35%

Of the 34 miles of boundary above tabulated, the 35% destruction of corners credited to Carpenter occurs between Darling's 131st and his Astronomical Monument No. 5 (148th approximately) in the San Luis Valley

previously discussed. From Astronomical Monument No. 5 to Darling's 164th, inclusive, the original Darling Line was completely recovered.

As decreed by the Supreme Court, the monuments and corners established by Howard B. Carpenter were 100% destroyed as shown in the field note records enclosed in the latter part of this report. It should be noted however, that when a Carpenter monument served some other function in addition to marking the Carpenter Boundary line, only the identifying marks of the monument as a boundary marker were destroyed, its other functions being preserved. In addition to reestablishing the Darling Boundary, Arthur D. Kidder established numerous new monuments on the restored boundary of the States where they would be conspicuous for the aid of those who may have need for locating the line.

The reestablished boundary was monumented generally by concrete monuments, molded in mass at the station, in galvanized metal forms in the shape of truncated cones of the following sizes:

8" upper diam., 16" lower diam., 36" high
16" upper diam., 24" lower diam., 36" high
8" upper diam., 11" lower diam., 18" high

Heavy bronze tablets were set in the top of these concrete markers as well as in rock outcrops and selected stone markers to identify the monuments.

An illustration of the heavy bronze tablet used is shown on the opposite page. The tablet was marked with identifying Mile Corner, or portion thereof, in the field, and properly oriented on the monument top.

The tangent method of surveying a parallel of latitude was selected for the retracement of the boundary line using the original Darling records to aid in identifying monuments. The Darling monuments remaining, that could be identified, were used as control for the retracement of the intervening intervals where Darling's survey had become lost.

The survey of this portion of the boundary, from the Crest of the Sangre de Cristo Range proceeded westward, retracing and reestablishing the Darling line through the Sangre de Cristo Grant in Colorado and New Mexico, ascending to the crest of Boundary Peak at an elevation of 12,680 feet above sea level. The peak is on a spur running southwesterly from the main divide of the Snowy Range; and is the highest elevation of the entire boundary.

There is an abrupt descent to the floor of the San Luis Valley, ranging near the 7700 ft. level. The boundary crossing this valley comes to the Rio Grande in a box canon of lava rock, about a 300 ft. drop to the river at 7400 ft. elevation, marking the western limit of the Sangre de Cristo Grant. The Rio Grande is the major river of this portion of the boundary. Its watershed includes the tributaries, the Costilla, Conejos, Los Pinos, and Chama Rivers bringing to the Rio Grande all the drainage west of the Crest of the Sangre de

Cristo Range and east of the Continental Divide. The flat valley land to the west of the Rio Grande is very much of a lava desert for about twenty miles, ending near Ortiz, Colorado, and Los Pinos, New Mexico; where the ascent of the Big Horn Mountains begins. The ascent continues steadily for about ten miles to an elevation of 10,100 ft., then dropping into Toltec Creek, cresting on the southern point of Osier Mountain at 10,000 feet, thence an abrupt descent into the Toltec Gorge, the channel of the Rio Los Pinos flowing southeasterly into New Mexico. Ascending out of the Gorge, the rise on the boundary line continues to 10,300 ft., at the crest just south of the Cumbres Pass.

The boundary area westerly from Cumbres Pass is all high, mountainous country, heavily timbered up to timber line, and many bare rugged peaks to the north. All of the drainage is to the south, first the Wolf Creek, then the main Chama River, then the Chamita or Little Chama. The high divide of

the Chama Range extends southward between the forks of the latter streams the crest at 10,000 ft., and the high peaks only a few miles to the north. West from the Chamita the ascent is more gradual to the Continental Divide at an elevation of 9050 feet.

Timber is prevalent over most of this portion of the boundary with the exception of the San Luis Valley. Cedar and pinon occur on the mountain slopes and mesa to an elevation of 7000 feet, Ponderosa pine, aspen, spruce and fir, from this elevation to the timberline, grows in dense stands on the western mountain slopes and high mesas. The vegetation of the San Luis Valley consists mostly of grasses, which, depending on seasonal moisture and density of grazing, may be of slight to dense coverage.

Undergrowth of many mixed varieties, vary in density from scattering on the eastern portion and the valley floor, to very large and dense west from the summit of the Chama Range. It is believed that the thick growth of large and dense oak brush is responsible for the discrepancy in the alignment of the boundary from this summit to the Continental Divide.

Trinidad, Colorado, was used as the headquarters and supply point for the boundary survey from the northeastern corner of New Mexico westward to the Rio Grande and Antonito, Colorado from there to the San Juan River. Saddle horses and pack horses, and the needed packers, were supplied from the large Wm. & H. J. Heck ranch, high in the mountains of Colfax County New Mexico, for packing in the supplies, and for moving the party camp along the line.

The surveying was accomplished under the direct supervision of Arthur D. Kidder, Boundary Commissioner, with an experienced field crew headed by Hugh B. Crawford, regularly employed by the General Land Office detailed to assist in the survey.

The following portions of this volume enclose the field notes of this part of the boundary survey, in nine groups, each group covering approximately eight miles of the boundary. Both the retracement and reestablishment of the boundary are included, and each group ends with a map of the field notes. The map is inserted so that one may read the field notes and view the map at the same time.

The foregoing and the following portions of this report are respectfully submitted to the Chief Justice and the Associate Justices of the Supreme Court of the United States for their approval.

Your humble and obedient servant,

JOSEPH C. THOMA
Boundary Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 120

to

MILE CORNER No. 130

This portion of the boundary survey was executed with a Buff and Buff engineer's transit equipped with an improved Smith Solar attachment, the horizontal circle has two double opposite verniers reading to single minutes; the vertical circle has one double vernier reading to single minutes. The instrument was in good condition and was placed in satisfactory adjustment prior to the beginning of the survey, and was tested and found free from appreciable error. Frequent tests were made throughout the survey.

The tangent method of surveying a parallel of latitude was selected; the controlling meridian was established by observations on Polaris; the bearing of the tangent was deflected from the meridian by repetition of angles and carried forward by transit line, taking the mean of direct and reversed sights at each instrument station. Frequent observations on Polaris, and direct observations on the sun for azimuth were made throughout the survey to test the azimuth of the tangent.

Measurements were made with a narrow steel tape, 5 chains in length, graduated every link for the first 100 links, and thereafter at intervals of ten links. The tape was tested by comparison with a 1 chain standard steel tape and found correct. Measurements were made on the slope and the vertical angles determined by a clinometer in good adjustment; the field notes show the horizontal equivalents.

COLORADO AND NEW MEXICO BOUNDARY

The Darling Line, 121st Mile

Continuing in Volume Two the survey records of the Colorado and New Mexico Boundary, the pertinent information of the retracement and re-establishment of the Darling 121st Mile, ending the Field Notes and Maps of the Volume One Report is herewith repeated.

Chains *RETRACEMENT*

Altitude observation on the sun for azimuth, August 21, 1927. West, on a retracement of the Darling Boundary, on a transit line describing a tangent.

80.00 N. 0.8 lks. to the parallel; the 119th Mi. Cor. has become obliterated

117.40 Altitude observation on the sun for azimuth, August 24, 1927.

160.00 N. 3.0 lks. to the parallel; the 120th Mi. Cor. has become obliterated

239.91 N. 6.8 lks. to the parallel; thence the 121st Mi. Cor. bears N. 44 lks. dist.; on this determination the true line bears N. 89° 54′ W.

The Darling Line, 121st Mile

Chains

REESTABLISHMENT

Thence from the 120th Mi. Cor., as reestablished (see Part One of Three, page 192), N. 89° 54′ W., on a reestablishment of the 121st mile.

Ascend 360 ft. over steep E. slope, through heavy timber.

38.80 Wire fence, bears N. 23° W. and S. 20° E.

39.02 Divide between the Canadian and Rio Grande Rivers, bears N. 20° W. and S. 20° E., elevation 10,932 ft. This is the Vermejo and Costilla Divide, and the summit of the Sangre de Cristo Range. The divide is the boundary of the Sangre de Cristo and the Maxwell Grants. It is also the line between Colfax and Taos Counties, New Mexico.

Set a granite stone, 26x13x13 ins., in a concrete base, 18 ins. in the ground, with tablet seated in top of stone marked Mile Corner No. 120 + 39.02 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A spruce, 10 ins. diam., bears N. 34¼° E., 90 lks. dist., mkd. WP COLO BT.

A spruce, 8 ins. diam., bears S. 27½° E., 41 lks. dist., mkd. WP NM BT.

Descend 270 ft. over steep W. slope.

63.52 The Carpenter 211.05 Mi. Cor. bears North, 31.13 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

79.97 Darling's 121st Mi. Cor.; a sandstone, 17x12x9 ins., loosely set, mkd. C on N., NM on S., 121 M on W., and 68 on E. face, and deposited underneath, 8 ins. underground, a stone, 6x4x3 ins., mkd. 121 M;

from which

A spruce, 18 ins. diam., bears S. 19¾° E., 17 lks. dist., mkd. NM 121 M BT.

A fir, 12 ins. diam., bears N. 8½° E., 65 lks. dist., mkd. C 121 M BT.

In place of stone

Set a granite stone, 30x24x10 ins., in a concrete base, 18 ins. in the ground, with tablet seated in the top of stone marked Mile Corner

Chains

THE DARLING LINE, 121ST MILE

No. 121, 1868-1925;
from which
A fir, 10 ins. diam., bears N. 53 W., 36 lks. dist., mkd. COL 121 M BT.
A fir, 12 ins. diam., bears S. 70¾ W., 81 lks. dist., mkd. NM 12[illegible] BT.
Land, mountainous.
Soil, sandy loam and stony; 3rd rate.
Timber, spruce, fir and aspen.

THE DARLING LINE, 122ND MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

67.45 Altitude observation on the sun for azimuth, August 26, 1927.

80.34 N. 0.8 lks. to the parallel; thence the 122nd Mi. Cor. bears N. 1.01 chs. dist.; on this determination the true line bears N. 89° 17′ W.

REESTABLISHMENT

Thence from the 121st Mi. Cor. N. 89° 17′ W., on a reestablishment of the 122nd mile.

Descend 260 ft. over gentle W. slope and along gently rolling S. slope to 122nd Mi. Cor., through timber.

1.20 Leave timber, bears N. and S.; enter open prairie valley.

27.80 Spring branch, 1 lk. wide, course SW.; enter willows.

34.50 Spring branch, 1 lk. wide, course S.; leave willows; thence along gently rolling S. slope.

46.00 Creek, 21 lks. wide, course S.

51.14 Fence, bears N. 75° E. and S. 75° W.

66.83 The Carpenter 210th Mi. Cor. bears North, 30.17 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove the monument and obliterate the marks on the two bearing trees.

80.35 Darling's 122nd Mi. Cor.; a sandstone, 32x15x5 ins., firmly set in mound of stone, mkd. C on N., NM on S., 122 M on W., and

Chains

THE DARLING LINE, 122ND MILE

on E. face; a sandstone, 11x6x2 ins., mkd. 122 M, 12 ins. below the surface.

In place of stone

Set a granite stone, 36x14x8 ins., in a concrete base, 24 ins. in the ground, with tablet seated in top of stone marked Mile Corner No. 122, 1868-1925, and build a mound of stone around the monument;

from which

An aspen, 10 ins. diam., bears N. 48° E., mkd. COLO 122 M BT.

An aspen, 6 ins. diam., bears S. 45½° E., mkd. NM 122 M BT.

Land, rolling prairie valley.

Soil, sandy loam and stony; 3rd rate.

Timber, spruce, fir and aspen; undergrowth, willows.

THE DARLING LINE, 123RD MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

20.00 Hour angle observation of Polaris for azimuth, August 29, 1927.

80.00 N. 0.8 lks. to the parallel; the 123rd Mi. Cor. has become obliterated.

160.00 N. 3.0 lks. to the parallel; the 124th Mi. Cor. was not established by Darling.

165.62 Altitude observation on the sun for azimuth, September 1, 1927.

215.00 N. 5.4 lks. to the parallel; the 124 + 55 Chs. Mi. Cor. has become obliterated.

239.31 N. 6.8 lks. to the parallel; thence the 125th Mi. Cor. bears S. 19.4 lks. dist.; on this determination the true line bears S. 89° 57′ W.

RELSTABLISHMENT

Thence from the 122nd Mi. Cor. S. 89° 57′ W., on a reestablishment of the 123rd mile.

Descend 70 ft. over gentle SW. slope, through timber.

9.20 Leave timber, bears N. and S.; enter open park.

11.45 East fork of Costilla Creek, 5 lks. wide, 15 ins. deep, course S. 15° E., elevation 10,172 ft.; ascend 6 ft. to W. fork of creek.

Chains

THE DARLING LINE, 123RD MILE

14.45 West fork of Costilla Creek, 4 lks. wide, course SE.; ascend 730 ft. over NE. slope to point for 123rd Mi. Cor.

23.00 Enter timber, bears N. and S.

50.20 The Carpenter 209.19 Mi. Cor. bears North, 29.98 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove the monument and obliterate the marks on the four bearing trees.

79.77 The proportional point; unable to identify Darling's 123rd Mi. Cor.
Set a grey quartz stone, 24x18x13 ins., in a concrete base, 16 ins. in the ground, with tablet seated in top of stone marked Mile Corner No. 123, 1868-1925, and build a mound of stone around the monument;
from which
A spruce, 6 ins. diam., bears S. 27° W., 43 lks. dist., mkd. X 123 M BT.
A spruce, 8 ins. diam., bears N. 49¼° W., 59 lks. dist., mkd. COLO 123 M BT.
Land, rolling E. of Costilla Creek and mountainous W. of creek.
Soil, sandy loam and stony; 3rd rate.
Timber, fir, spruce and aspen.

THE DARLING LINE, 124TH MILE

REESTABLISHMENT

S. 89° 57' W., on a reestablishment of the 124th mile.
Ascend 265 ft. over NE. slope, through timber.

18.77 Crest of spur, slopes NE.
Set a basalt stone, 20x18x9 ins., in a concrete base, 14 ins. in the ground, with tablet seated in top of stone marked Mile Corner No. 123 + 18.77 Chs., 1868-1925, and build a mound of stone around the monument;
from which
A spruce, 8 ins. diam., bears N. 45° E., 21 lks. dist., mkd. X COLO BT.
A spruce, 10 ins. diam., bears S. 39° E., 23½ lks. dist., mkd. X NM BT.
Descend 76 ft. over NW. slope.

26.00 Draw, course NE.; ascend 320 ft. over N. and N. 70° E. slopes.

THE DARLING LINE, 124TH MILE

12.65 Thence ascend over N. 70° E. slope.

15.80 Top of ascent; descend 19 ft. over gentle W. slope on a bench.

16.38 The Carpenter 208th Mi. Cor. bears North, 30.25 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

17.80 Spring branch, 4 lks. wide, course S. 10° W. turning S., about 3.00 chs. dist. to a small lake; ascend 120 ft. over E. slope to point for 124th Mi. Cor.

19.77 The proportional point; the 124th Mi. Cor. was not established by Darling.

Set a granite stone, 26x20x10 ins., in a concrete base, 18 ins. in the ground, with tablet seated in top of stone marked Mile Corner No. 124, 1868-1925, and build a mound of stone around the monument;

from which

A spruce, 8 ins. diam., bears N. 54° E., 17 lks. dist., mkd. COLO 124 M BT.

A spruce, 9 ins. diam., bears S. 27° E., 27 lks. dist., mkd. NM 124 M BT.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, spruce, fir and aspen.

THE DARLING LINE, 125TH MILE

REESTABLISHMENT

S. 89° 57' W., on a reestablishment of the 125th mile.

Ascend 1115 ft. over steep NE. and E. slopes, through timber.

2.20 Lake, bears N. approximately 5 chs. dist.

3.00 Leave timber at timberline, bears NE. and SW.

4.00 Thence over slide rock.

4.27 Bench at foot of Boundary Peak.

4.72 Top of cliff and slide rock on E. face of Boundary Peak; thence over rolling mountain top.

5.18 Crest of Boundary Peak, elevation 12,680 ft.

Set a white quartz stone, 24x20x16 ins., in a concrete base, 20 ins.

Chains

THE DARLING LINE, 125TH MILE

in the ground, with tablet seated in top of stone marked Mi
Corner No. 124 + 53.59 chs., 1868-1925; and build a mound
stone around the monument;

from which

Fisher's Peak, bears N. 81 E.

Sharp conical peak, bears N. 41 40' E.

Dig pits, 18x18x12 ins. deep, E. and W. of monument, 10 lks. dis

Descend 536 ft. over steep SW. slope to 125th Mi. Cor.

56.74 The point for the Carpenter 207.1 Mi. Cor. bears North 29.88 ch
dist.; iron pipe not found; mound of stone on top of spur
Boundary Peak; from which the bearings to peaks recorded
the field notes checked within 0 45' of record; 1 scattered st
mound of stone.

79.77 Darling's 125th Mi. Cor.: a granite stone, 36x18x5 ins., loosely s
in a mound of stone, mkd. C on N., NM on S., and 68 on W. fa
a granite stone, 8x6x2 ins., mkd. 125 M, 10 ins. below the surfa

In place of stone

Set a granite stone, 40x24x8 ins., in a concrete base, 30 ins. in t
ground, with tablet seated in top of stone marked Mile Cor
No. 125, 1868-1925, and build a mound of stone around the mo
ment;

from which

Pilot knob, rocky peak at timberline, nearly in line with
Mountain, bears S. 78 30' W.

Highest point on high, rugged mountain, bears S. 11 07' E.

Dig pits, 18x18x12 ins. deep, E. and W. of monument, 10 lks. d

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, spruce and fir on E. 19.00 chs., remainder above timberl

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THE DARLING LINE, 126TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit l
describing a tangent.

38.81 Hour angle observation of Polaris for azimuth, September 1, 1927.

80.18 N. 0.8 lks. to the parallel; thence the 126th Mi. Cor. bears N. 0
lks. dist.; on this determination the true line bears N. 89 31' W

The Darling Line, 126th Mile

ORIGINS

REESTABLISHMENT

Thence from the 125th Mi. Cor. N. 89° 31' W., on a reestablishment of the 126th mile.

Descend 1145 ft. over steep W. slope and along SW. and S. slopes to 126th Mi. Cor., over open grassland.

1.00 Enter timber at timberline, bears N. and S.

2.50 Culebra Creek, near head, 5 lks. wide, course S. 55° W.; thence along SW. slope.

6.80 The Carpenter 206.35 Mi. Cor. bears North, 29.47 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

7.60 Draw, drains S. 15° W.; thence along S. slope.

9.05 Spring branch, 1 lk. wide, course S.

11.90 Spring branch, 2 lks. wide, course SW.

13. Darling's 126th Mi. Cor., a granite stone, 20x12x4 ins., firmly set a mound of stone, mkd. C on N., NM on S., 126 M on E., and 68 on W. face.

In place of stone

Set a granite stone, 36x19x15 ins., in a concrete base, 24 ins. in the ground, with tablet seated in top of stone marked Mile Corner No. 126, 1868-1925, and build a mound of stone and earth around the monument;

from which

A spruce, 9 ins. diam., bears N. 49¼° E., 22 lks. dist., mkd. COLO 126 M BT.

A spruce, 8 ins. diam., bears S. 13¼° E., 34 lks. dist., mkd. NM 126 M BT.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, spruce, fir and aspen.

The Darling Line, 127th Mile

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

Chains

THE DARLING LINE, 127TH MILE

80.00 The 127th Mi. Cor. was not established by Darling; point falls on slide rock; older field near foot of cliff, continue distance.

90.02 Altitude observation on the sun for azimuth, September 5, 1927.

160.00 N. 3.0 lks. to the parallel; the 128th Mi. Cor. has become obliterated

241.71 N. 6.8 lks. to the parallel; thence the 129th Mi. Cor. bears S. 84 lks. dist.; on this determination the true line bears S. 89° 59' W.

REESTABLISHMENT

Thence from the 126th Mi. Cor. S. 89° 59' W., on a reestablishment of the 127th mile.

Ascend 28 ft. along S. slope, through timber.

4.00 Spur, slopes S.; descend 695 ft. over S. and SW. slopes to Culebra Creek.

22.20 Spur, slopes S. 10° W.

29.80 Thence descend steep SW. slope.

61.93 The Carpenter 205th Mi. Cor. bears North, 28.85 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

63.07 Culebra Creek, 15 lks. wide, 6 ins. deep, course N. 39° W. from S. 33° E., elevation 10,361 ft.; ascend 508 ft. over steep NE. slope to crest of spur in 128th mile.

80.57 The proportional point; the 127th Mi. Cor. was not established by Darling; point falls at foot of cliff in slide rock; impracticable to establish corner.

Land, mountainous.

Soil, sandy loam and stony; 3rd rate.

Timber, spruce, fir and aspen.

THE DARLING LINE, 128TH MILE

REESTABLISHMENT

S. 89° 59' W., on a reestablishment of the 128th mile.

Ascend over steep NE. slope, over slide rock and cliff.

2.10 Top of cliff, 100 ft. high; enter timber.

10.12 Crest of spur, slopes N. 20° W.

A granite stone in place,

The Darling Line, 128th Mile

Seat a tablet in top of stone marked Mile Corner No. 127 + 10.12 Chs., 1868-1925;

from which

A spruce, 12 ins. diam., bears N. 73 E., 14 lks. dist., mkd. WP COLO BT.

A spruce, 9 ins. diam., bears S. 35 E., 19 lks. dist., mkd. WP NM BT.

Raise a mound of stone, 4 ft. base, 2 ft. high, E. of monument.

Descend 48 ft. along a N. slope.

15.60 Foot of descent: ascend 36 ft. along N. slope.

24.60 Crest of spur, slopes N. 30 W.; descend 1138 ft. over steep NW. and W. slopes to point for 128th Mi. Cor.

13.40 Thence descend W. slope.

12.56 The Carpenter 204th Mi. Cor. bears North, 29.04 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

7.40 Thence along S. slope of spur.

7.40 Point of spur, slopes W.

0.57 The proportional point; unable to identify Darling's 128th Mi. Cor.

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 128, 1868-1925, and build a mound of stone around the monument;

from which

A spruce, 12 ins. diam., bears N. 36¼° E., 81 lks. dist., mkd. COLO 128 M BT.

A spruce, 10 ins. diam., bears S. 41° W., 13 lks. dist., mkd. NM 128 M BT.

Land, mountainous.

Soil, sandy and stony clay loam; 3rd rate.

Timber, spruce, fir and aspen.

The Darling Line, 129th Mile

REESTABLISHMENT

S. 89° 59′ W., on a reestablishment of the 129th mile.

Descend 55 ft. over NW. slope, through timber.

Chains THE DARLING LINE, 129TH MILE

3.45 Spring branch, 5 lks. wide, in bottom of canon, course N. 13 W. ascend 148 ft. over steep NE. slope.

9.35 Slope changes to N. 10° E.

14.70 Crest of spur, slopes NW.; descend 252 ft. over W. slope.

27.40 Draw, drains N. 30° W.; ascend 9 ft. over steep NE. slope.

28.15 Top of ascent; descend 390 ft. over N. and NW. slopes to 129th Mi. Cor.

36.90 Slope changes to NW.

61.00 The Carpenter 203rd Mi. Cor. bears North, 28.80 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

63.20 Spring branch, 1 lk. wide, course N. 30° W.; thence along N. slope.

80.57 Darling's 129th Mi. Cor.; a granite stone, 24x8x6 ins., firmly set in a mound of stone, no marks;

from which

A pine stump, 27 ins. diam., bears S. 83° E., 51 lks. dist., with old blaze and faint scribe marks.

A spruce, 27 ins. diam., bears N. 57° W., 35 lks. dist., mkd. B.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 129, 1868-1925, and build a mound of stone around the monument;

from which

A pine, 12 ins. diam., bears N. 56° E., 28 lks. dist., mkd. COLO 129 M BT.

A spruce, 6 ins. diam., bears S. 31¼° E., 42 lks. dist., mkd. NM 129 M BT.

Land, mountainous.

Soil, sandy clay loam and stony; 3rd rate.

Timber, spruce, fir, pine and aspen; undergrowth, water birch along second spring branch.

THE DARLING LINE 130TH MILE

RETRACEMENT

azims

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

15.00 Altitude observation on the sun for azimuth, September 10, 1928.

10.72 N. 0.8 lks. to the parallel; thence the 130th Mi. Cor. bears N. 84.1 lks. dist.; on this determination the true line bears N. 89° 24' W.

REESTABLISHMENT

Thence from the 129th Mi. Cor. N. 89° 24' W., on a reestablishment of the 130th mile.

Descend 522 ft. over NW. slope to 130th Mi. Cor., through timber.

5.00 Leave timber, bears N. and S.; enter sage brush and scattering oak brush.

4.46 The Carpenter 202nd Mi. Cor. bears North, 28.17 chs. dist.; an iron post, firmly set in ground and mound of earth; I remove this monument.

.00 Draw, drains NW.

.60 Low spur, slopes NW.

.73 Darling's 130th Mi. Cor.; a schist stone, 18x10x6 ins., firmly set, mkd. C on N., NM on S., 130 M on E., and 68 on W. face;

from which

A pine, 26 ins. diam., bears S. 35° W., 184 lks. dist., mkd. NM 130 M BT.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 130, 1868-1925, and build a mound of stone around the monument;

from which

A pine, 12 ins. diam., bears S. 71¾° E., 169 lks. dist., mkd. NM 130 M BT.

A pine, 20 ins. diam., bears N. 1½° W., 186 lks. dist., mkd. COLO 130 M BT.

Land, rolling mountainous, beginning of San Pedro Mesa.

Soil, sandy clay loam and stony; 2nd rate.

Timber, spruce, pine and aspen; undergrowth, sage brush and oak brush.

C O L O R A D O

COSTILLA COUNTY

SANGRE DE CRISTO GR

9400 9600 9800 10000 10200 Culebra

12000 11800 12600

N 89° 24' W 79.73 — 130 — 129 — S 89° 59' W 80.57 — 128 — S 89° 59' W 80.57 — +10.12 — 127 — S 89° 59' W 80.57 — 126 — N 89° 31' W 80.18 — 125 — +53.59 — S 89° 57' W 79.77 — 124

Creek

BOUNDARY PEAK

SANGRE DE CRISTO GR

TAOS COUNTY

N E W M E X I C

SCALE

0 10 20 30 40 80

40 Chains to the inch

COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925

Joseph C. Thoma

Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 130

to

MILE CORNER No. 143

THE DARLING LINE, 131ST MILE

Chains

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.28 N. 0.8 lks. to the parallel; thence the 131st Mi. Cor. bears N. 22 lks. dist.; altitude observation on the sun for azimuth, September 11, 1928; on this determination the true line bears N. 89° 50' W.

REESTABLISHMENT

Thence from the 130th Mi. Cor. N. 89° 50' W., on a reestablishment of the 131st mile.

Descend 18 ft. over W. slope.

1.55 Canon, course N. 38° W. from S. 20° E.; ascend 58 ft. over N. slope.

7.40 Crest of spur, slopes N.; descend 47 ft. over W. slope.

10.90 Draw, drains N. 8° W.; ascend 46 ft. over NE. slope; enter timber and undergrowth.

18.00 Crest of spur, slopes N. 18° W.; descend 289 ft. over W., S., and NW. slopes to corner.

26.00 Thence along S. slope.

39.50 Point of spur, slopes W.

45.85 Draw, course NW.; foot of hill; leave timber; descend over gentle NW. slope.

60.70 The Carpenter 201st Mi. Cor. bears North, 27.73 chs. dist.; an iron post, firmly set in ground and mound of earth; I remove the monument.

63.50 Dry wash, 6 ft. deep, course NW.

80.25 Spring branch, 1 lk. wide, course N.

80.28 Darling's 131st Mi. Cor.; a granite stone 12x10x6 ins., firmly set in a mound of stone, mkd. 131 M on E. face.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 131, 1868-1925, and build a mound of stone around the monument;

The Darling Line, 131st Mile

from which

A house, bears S. 16° 40' E., approximately 36.8 chs. dist.

Land, rolling mountainous.

Soil, sandy and gravelly loam, stony; 2nd rate.

Timber, scattering pinon; undergrowth, sage brush and oak brush.

The Darling Line, 132nd Mile

RETRACEMENT

Altitude observation on the sun for azimuth, September 11, 1928.

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

N. 0.8 lks. to the parallel; the 132nd Mi. Cor. has become obliterated.

N. 3.0 lks. to the parallel; thence the 133rd Mi. Cor. bears N. 3.2 lks. dist.; on this determination the true line bears N. 89° 59' W.

REESTABLISHMENT

Thence from the 131st Mi. Cor. N. 89° 59' W., on a reestablishment of the 132nd mile.

Descend 140 ft. over gentle NW. slope to point for 132nd Mi. Cor., through sage brush.

Dry stream bed, course NW.

Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 131 + 35.50 Chs., 1868-1925, and build a mound of stone around the monument.

Road from San Luis, Colorado, to Amalia, New Mexico, bears N. 24° E. and S. 24° W.

Telephone line parallel to road.

The Carpenter 200th Mi. Cor. bears North, 27.62 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

The proportional point; corner stone destroyed (Carpenter 168th Mi.).

Construct a concrete monument, in a form 8x14x36 ins. set 24 ins.

Chains

THE DARLING LINE, 132ND MILE

in the ground, with tablet seated in the top marked Mile
No. 132, 1868-1925, and build a mound of stone around the
ment.

Land, gently rolling on San Pedro Mesa.

Soil, sandy and gravelly loam, with some stone; 2nd rate.

Undergrowth, sage brush.

THE DARLING LINE, 133RD MILE

REESTABLISHMENT

N. 89° 59' W., on a reestablishment of the 133rd mile.

Descend 24 ft. over gentle NW. slope, through sage brush.

8.40 Ungraded road, bears N. 57° E. and S. 57° W.

29.90 Bottom of valley, drainage N.; ascend 95 ft. over gentle NE

39.25 Dry wash, drains N.

54.50 Road, bears N. 18½° E. and S. 21° W.

60.57 The Carpenter 199th Mi. Cor. bears North, 27.52 chs. dist.; a
post, firmly set in ground and mound of earth; I remov
monument.

68.00 Low hog back ridge, bears NE. and S. 60° W.; descend 85 ft.
NW. slope.

75.50 Shallow drain, course N. 20° E.; ascend 16 ft. over E. slope.

80.06 Darling's 133rd Mi. Cor.; a basalt stone, 24x8x6 ins., lying o
ground, mkd. C. on one face and NM. on opposite face, 68 o
face and 133 on opposite face.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 2
in the ground, with tablet seated in the top marked Mile C
No. 133, 1868-1925, and build a mound of stone around the m
ment;

from which

Snow peak, bears S. 14° W.

Conical peak, bears N. 66¾° E.

Ute peak, bears S. 72° W.

Land, gently rolling mesa.

Chains

THE DARLING LINE, 133RD MILE

Soil, sandy and gravelly loam, with some stone; 2nd rate.
Undergrowth, sage brush.

THE DARLING LINE, 134TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

[illegible].00 N. 0.8 lks. to the parallel; the 134th Mi. Cor. has become obliterated.

[illegible].00 N. 3.0 lks. to the parallel; the 135th Mi. Cor. has become obliterated.

24.44 N. 6.8 lks. to the parallel; thence the 136th Mi. Cor. bears N. 45.9 lks. dist.; on this determination the true line bears N. 89° 53' W.

REESTABLISHMENT

Thence from the 133rd Mi. Cor. N. 89° 53' W., on a reestablishment of the 134th mile.

Along a gentle N. slope, through sage brush; descend 40 ft. to the point for 134th Mi. Cor.

[illegible].74 The Carpenter 198th Mi. Cor. bears North, 27.40 chs. dist.; an iron post, firmly set in ground and mound of earth; I remove this monument.

[illegible].35 Road, bears N. 53½° W. and S. 57° E.

[illegible].48 The proportional point; corner stone destroyed (Carpenter 168th Mi.).

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 134, 1868-1925, and build a mound of earth around the monument.

Land, gently rolling mesa.
Soil, sandy and gravelly loam; 2nd rate.
Undergrowth, sage brush.

THE DARLING LINE, 135TH MILE

REESTABLISHMENT

N. 89° 53' W., on a reestablishment of the 135th mile.
Along a gentle N. slope, through sage brush; descend 13 ft.

Chains

THE DARLING LINE, 135TH MILE

29.50 Foot of descent; ascend 45 ft. over gentle E. slope to point for

60.59 The Carpenter 197th Mi. Cor. bears North, 26.86 chs. dist.; an post, firmly set in ground and mound of stone; I remove monument.

80.48 The proportional point; corner stone destroyed (Carpenter Mi.).

Construct a concrete mo ...ent, in a form 16x24x36 ins., set 2 in the ground, with tablet seated in the top marked Mile C No. 135, 1868-1925, and build a mound of earth around the m ment.

Land, gently rolling mesa.

Soil, sandy and gravelly loam; 2nd rate.

Undergrowth, sage brush.

THE DARLING LINE, 136TH MILE

REESTABLISHMENT

N. 89° 53' W., on a reestablishment of the 136th mile.

Ascend 36 ft. over gentle NE. slope, through sage brush.

0.875 Falls 7½ lks. S. of a pine stake, 2 ins. sq., 26 ins. above gro mkd. C on N. face.

8.50 Road, bears N. 67° E. and S. 58° W.

29.90 Enter timber, bears N. 17° E. and S. 35° W.

30.30 Secondary road, bears N. 35° E. and S. 26° W.

37.80 Basalt rim rock, 8 ft. high, bears N. and S.; W. rim of San P Mesa; descend 438 ft. over steep, broken W. slope to point cor.

47.10 Dry wash, drains N. 30° W.

51.35 Road, bears N. 54° W. and S. 54° E.

55.95 The Carpenter 196.05 Mi. Cor. bears North, 26.91 chs. dist.; an post, firmly set in ground and mound of stone; I remove monument and obliterate the marks on the four bearing trees.

80.48 Darling's 136th Mi. Cor.; a basalt stone, 32x12x8 ins., firmly se a mound of stone, mkd. C on N., NM on S., 136 M on E., and on W. face; a basalt stone, 8x8x3 ins., mkd. 136 M, under mo of stone.

THE DARLING LINE, 136TH MILE

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground in a concrete base, with tablet seated in the top marked Mile Corner No. 136, 1868-1925, and build a mound of stone around the monument;

from which

A pinon, 6 ins. diam., bears N. 49° E., 91 lks. dist., mkd. COLO 136 M BT.

A pinon, 10 ins. diam., bears S. 46½° E., 50 lks. dist., mkd. NM 136 M BT.

Land, rolling mesa and mountainous face of mesa.

Soil, sandy and gravelly loam, sandy, stony, clayey loam; 2nd and 3rd rate.

Timber, pinon and cedar; undergrowth, sage brush.

THE DARLING LINE, 137TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 N. 0.8 lks. to the parallel; the 137th Mi. Cor. has become obliterated; altitude observation on the sun for azimuth, September 14, 1928.

00.00 N. 3.0 lks. to the parallel; the 138th Mi. Cor. has become obliterated.

40.00 N. 6.8 lks. to the parallel; the 139th Mi. Cor. has become obliterated.

20.00 N. 12.2 lks. to the parallel; the 140th Mi. Cor. has become obliterated.

00.00 N. 19.0 lks. to the parallel; the 141st Mi. Cor. has become obliterated.

80.00 N. 27.4 lks. to the parallel; the 142nd Mi. Cor. has become obliterated.

61 12 N. 37.3 lks. to the parallel; thence the 143rd Mi. Cor. bears S. 24.7 lks. dist.; altitude observation on the sun for azimuth, September 17, 1928; on this determination the true line bears S. 89° 58′ W.

THE DARLING LINE, 137TH MILE

Chains *REESTABLISHMENT*

Thence from the 136th Mi. Cor. S. 89° 58' W., on a reestablish
of the 137th mile.

Descend 256 ft. over S. and W. slopes, through timber and u
growth.

0.30 Draw, course SW.

10.60 Slope changes to W.

17.50 Foot of San Pedro Mesa; leave timber; enter San Luis valley.

43.20 Dry gulch, 12 ft. deep, course NW.

54.00 Construct a concrete monument, in a form 16x24x36 ins., set 24
in the ground, with tablet seated in the top marked Mile Co
No. 136 + 54 Chs., 1868-1925, and build a mound of earth ar
the monument.

54.30 Road, bears N. 10° E. and S. 1½° E.

55.84 Irrigation ditch, 2 ft. deep, 9 ft. wide, course N. 13° E. from
S. 10¾° E.

56.82 Lateral ditch, course SW.

59.42 The Carpenter 195th Mi. Cor. bears North, 27.05 chs. dist; an
post, firmly set in ground and mound of earth; I remove
monument.

63.80 Abandoned irrigation canal, bears N. 3° W. and S. 13° E.

72.50 Enter cultivated field.

80.16 The proportional point; corner stone destroyed (Carpenter 1
Mi.).

Construct a concrete monument, in a form 8x14x36 ins., standin
ins. above ground, with rectangular base, 24x24x14 ins., 20
in the ground, with tablet seated in the top marked Mile Co
No. 137, 1868-1925, and raise a mound of earth around the m
ment;

from which

An iron pipe on face of Meyer's store, bears S. 35° 14' W., 7
chs. dist.

Land, E. end mountainous to foot of mesa, W. portion, valley.
Soil, sandy loam and sandy and stony loam; 1st and 3rd rate.
Timber, pinon; undergrowth, sage brush.

The Darling Line, 138th Mile

REESTABLISHMENT

S. 89° 58' W., on a reestablishment of the 138th mile.
Over level bottom land, through old field.

1.34 Enter alfalfa field.

21.64 Fence between fields, bears N. 15° W. and S. 15° E.

35.86 Fence, bears N. 58½° E. and S. 58½° W.

39.65 Irrigation ditch, bears N. 29° W. and S. 29° E.

56.35 Dry bed of Costilla River, course N. 19° W. from S. 16¾° E., elevation 7740 ft.; cottonwood trees along creek.

59.19 The Carpenter 194th Mi. Cor. bears North, 27.02 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

62.35 Highway from Garcia, Colorado, and points N., to Costilla, New Mexico, and points S., bears N. 11° W. and S. 13° E.

63.05 Telephone line parallel with road.

63.15 Irrigation ditch, course N. 11° W. from S. 13° E.

64.00 Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 137 + 64 Chs., 1868-1925, and build a mound of earth around the monument.

70.96 Telephone line, bears N. 71° E. and S. 71° W.

71.16 Irrigation ditch, course S. 71° W.

80.16 The proportional point; corner stone destroyed (Carpenter 168th Mi.).

Construct a concrete monument, in a form 8x14x36 ins., standing 30 ins. above ground, with rectangular base, 26x20x12 ins., 20 ins. in the ground, with tablet seated in the top marked Mile Corner No. 138, 1868-1925, and build a mound of earth around the monument; elevation of tablet 7754 ft.;

from which

A basalt stone, 10x6 ins. on top, bears N. 50° 10' E., 1.22 chs. dist., mkd. with three notches on E. and W., NM on S., and COLO on N. face

Land, level valley.

Chains

THE DARLING LINE, 138TH MILE

Soil, sandy loam; 1st rate.
Timber, cottonwoods along river banks.

THE DARLING LINE; 139TH MILE

REESTABLISHMENT

S. 89° 58' W., on a reestablishment of the 139th mile.
Over nearly level bottom land, through field.

0.93 Fence, between fields, bears N. and S.

9.45 Fence, between fields, bears N. 75° E. and S. 75° W.

17.95 Fence, bears N. 23½° W. and S. 23½° E.; enter sage brush.

44.56 Telephone line, bears S. 20½° E. and N. 20½° W. turning W.

59.05 The Carpenter 193rd Mi. Cor. bears North, 27.03 chs. dist.; an iron post, firmly set in ground and mound of earth; I remove the monument.

64.70 Road, bears S. 60° E. and W.

76.25 Falls 1 lk. S. of a basalt stone, 4x4x12 ins. above ground, mkd. with two notches on E., NM on S., and C on N. face.

76.28 Falls 51½ lks. S. of a pine post, 4 ins. sq., 20 ins. above ground, mkd. with three notches on E., NM on S., and C on N. face.

79.50 Road, bears N. 60° E. and S. 60° W. from E. and W. road.

80.16 The proportional point; corner stone destroyed (Carpenter 193rd Mi.).

Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 139, 1868-1925, and build a mound of earth around the monument; elevation of tablet 7724.5 ft.

Land, level bottom.
Soil, sandy and gravelly loam; 1st and 2nd rate.
Undergrowth, sage brush.

The Darling Line, 140th Mile

REESTABLISHMENT

S. 89° 58′ W., on a reestablishment of the 140th mile.

Over nearly level land, through sage brush; telephone line N., 44 lks. dist. and winding road S., 57 lks. dist.

0.40 Road, bears N. 60° E. from E. and W. road.

59.02 The Carpenter 192nd Mi. Cor. bears North, 27.06 chs. dist.; an iron post, firmly set in ground and mound of earth; I remove this monument.

75.67 Telephone line, bears S. from E. and W. line.

80.16 The proportional point; corner stone destroyed (Carpenter 168th Mi.).

Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 140, 1868-1925, and build a mound of earth around the monument; elevation of tablet 7691 ft.

Land, nearly level.

Soil, sandy and gravelly loam; 2nd rate.

Undergrowth, sage brush.

The Darling Line, 141st Mile

REESTABLISHMENT

S. 89° 58′ W., on a reestablishment of the 141st mile.

Descend 41 ft. over gradual W. slope, through sage brush; telephone line N.; 45 lks. dist. and road S., 44 lks. dist.

70.86 Beginning of graded road.

72.05 Irrigation ditch, bears N. 23° E. and S., 64 lks. dist. to forks from S. 56¼° E. to N. 56¼° W. and SW.

74.36 Enter lane, fence on S., irrigation ditch and telephone line on N., cultivated land on S.

72.36 Fence N., beginning of cultivated land N. of road.

78.93 North, 27.12 chs. dist.; unable to identify the Carpenter 191st Mi. Cor.

74.86 House, bears N., 1.32 chs. dist.

Chains

THE DARLING LINE, 141ST MILE

75.86 Road, bears N. and S.

77.36 House, bears S., 2.19 chs. dist.

80.16 The proportional point; corner stone destroyed (Carpenter 16
Mi.).
Construct a concrete monument, in a form 16x24x36 ins., set 24
in the ground, with tablet seated in the top marked Mile Cor
No. 141, 1868-1925; elevation of tablet 7650 ft.
Land, nearly level.
Soil, sandy and gravelly loam: 1st and 2nd rate.
Undergrowth, sage brush.

THE DARLING LINE, 142ND MILE

REESTABLISHMENT

S. 89° 58' W., on a reestablishment of the 142nd mile.
Descend 38 ft. over gradual W. slope, in a lane and road, telepho
line N., 42 lks. dist., irrigation ditch on N., cultivated land N. a
S. of lane.

46.40 House, bears S., 2.24 chs. dist.

55.60 Fence N., end cultivated land N. of lane.

58.84 North, 27.17 chs. dist.; unable to identify the Carpenter 190th M
Cor.

65.90 Fence N., begin cultivated land N.

68.30 House, bears N., 94 lks. dist.

75.80 Road, bears N. and S.

77.20 House, bears N., 1.33 chs. dist., and a house, bears S., 2.77 chs. dis

80.16 The proportional point; corner stone destroyed (Carpenter 168
Mi.).
Set a concrete block, 18x11x9 ins., 20 ins. in the ground, with table
seated in the top marked Mile Corner No. 142, 1868-1925.
At a point N., 40 lks. dist.
Construct a concrete monument, in a form 8x14x36 ins., set 24 ins
in the ground, for witness to the 142nd Mi. Cor., with table
seated in the top marked WC Mile Corner No. 142 + 0.40 Chs
N., 186 -1925; elevation of tablet 7613 ft.

THE DARLING LINE, 142ND MILE

Land nearly level.

Soil, sandy and gravelly loam; 1st rate.

THE DARLING LINE, 143RD MILE

REESTABLISHMENT

S. 89° 58' W., on a reestablishment of the 143rd mile.

Over level land, in a lane and road, irrigation ditch and telephone line N. of road, cultivated land N. and S. of lane.

19 Fence N., end cultivated land N.

79 Fence and irrigation ditch N., begin cultivated land N.

89 House, bears S., 1.81 chs. dist.

14 Fence, bears N. and S.

34 Road turns N., end of lane, enter sage brush W. of road.

75 The point for the Carpenter 189th Mi. Cor. bears North, 27.23 chs. dist.; a mound of earth between pits N., S., E. and W.; an iron post, lying loose on ground, was found S., 70 lks. dist.; I remove the post from the vicinity.

44 Telephone line turns N. to Jarosa, Colorado.

50 Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 142 + 75 Chs., 1868-1925.

64 Highway from Jarosa, Colorado, and points N., to Sunshine Valley, New Mexico, and points S., bears N. and S.

84 Fences N. and W., begin cultivated land N. of fence.

10 Darling's 143rd Mi. Cor.; a basalt stone, 26x12x6 ins., firmly set, mkd. C on N., NM on S., 143 M on E., and 68 on W. face.

In place of stone

Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 143, 1868-1925; elevation of tablet 7579 ft.;

from which

Ute Mountain, bears S. 39° W., approximately 383 chs. dist., vertical angle + 5° 23'.

Land, nearly level.

Soil, sandy and gravelly loam; 1st and 2nd rate.

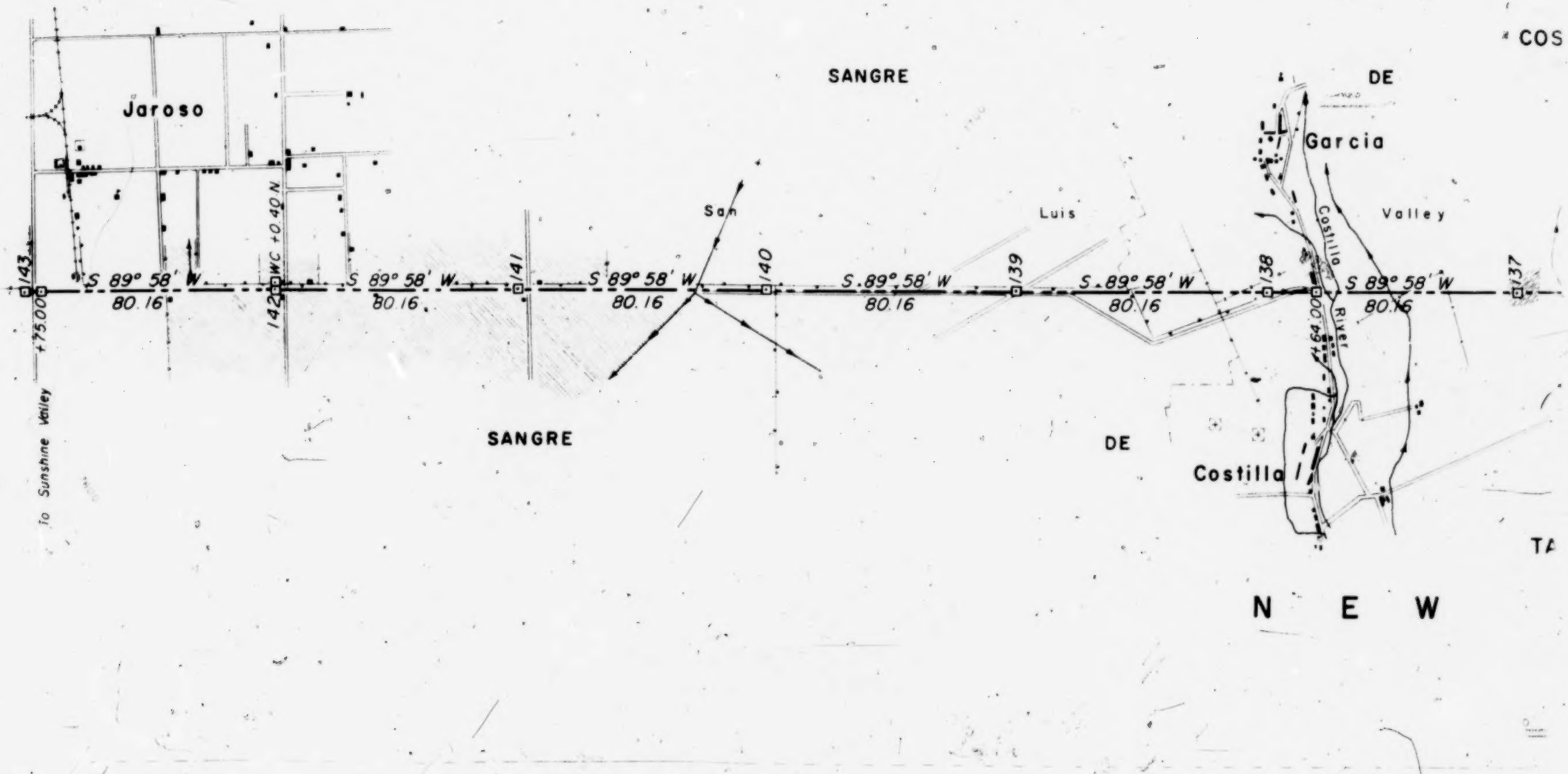
Undergrowth, sage brush.

C O L

COS

SANGRE

DE



N E W

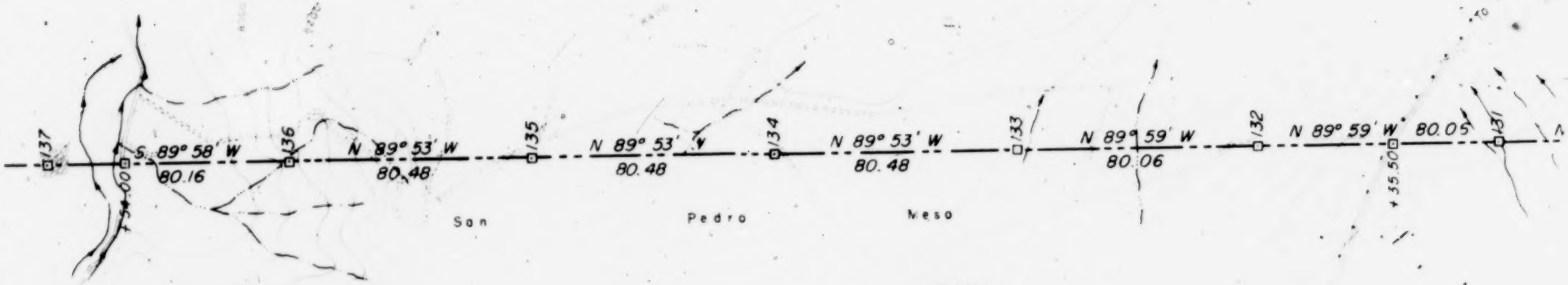
TA

L O R A D O

COSTILLA COUNTY

CRISTO

GRANT



CRISTO

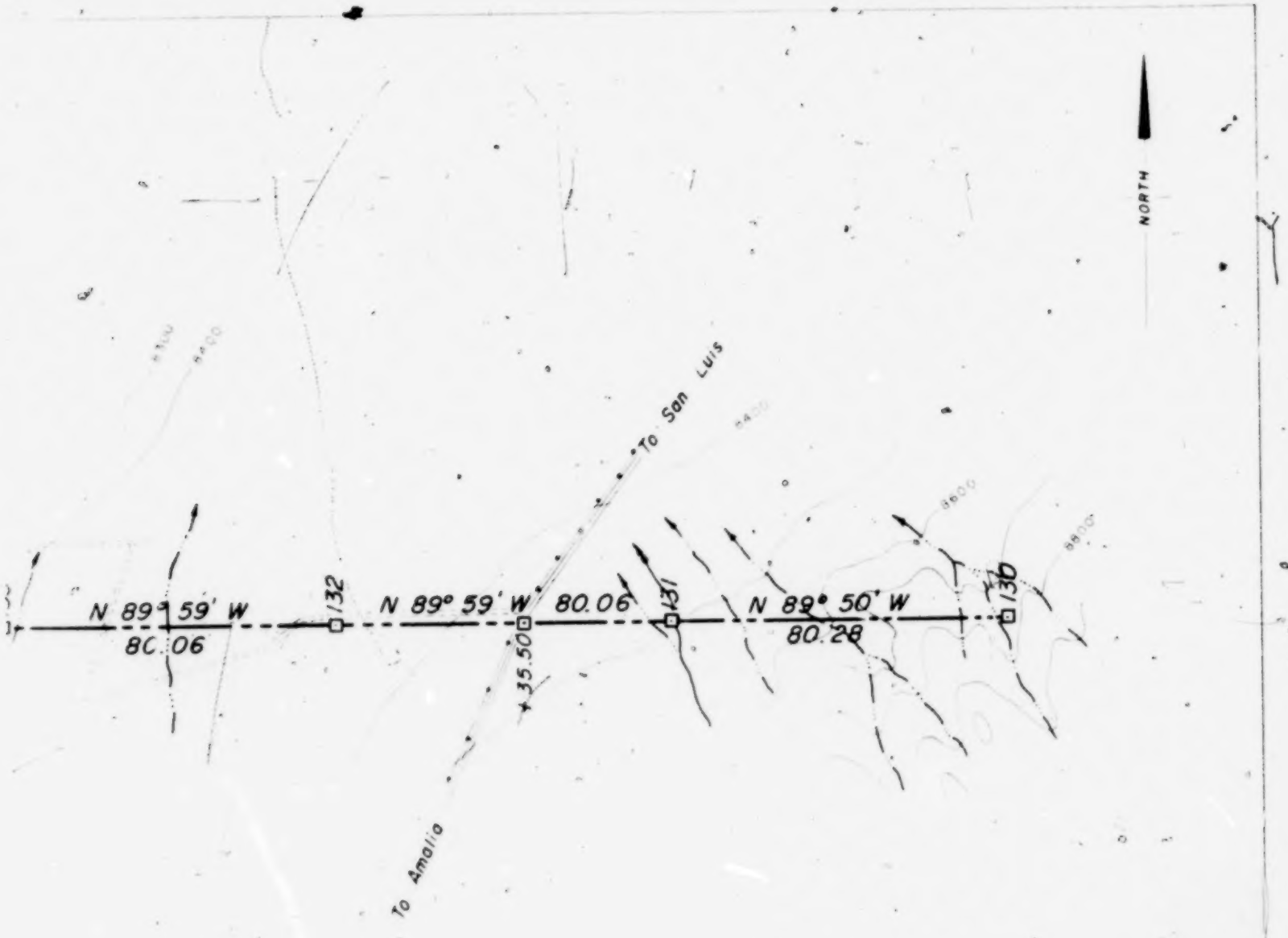
GRANT

TAOS COUNTY

M E X I C O

SCALE

40 Chains to the inch



COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 15, 1925

Joseph C. Thoma

Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 143
to
MILE CORNER No. 151

The Darling Line, 144th Mile

Chains

RETRACEMENT

Hour angle observation of Polaris for azimuth, September 21, 192[illegible]
West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.05 N. 0.8 lks. to the parallel; thence the 144th Mi. Cor. bears S. 6.3 lks. dist.; on this determination the true line bears S. 89° 57' W.

REESTABLISHMENT

Thence from the 143rd Mi. Cor. S. 89° 57' W., on a reestablishment of the 144th mile.

Descend 33 ft. over gradual NW. slope, along cultivated land N. and sage brush S.

35.62 Fence turns N., leave cultivated land, enter sage brush N.

58.62 The Carpenter 188th Mi. Cor. bears North, 27.27 chs. dist.; an iron post, firmly set in ground and mound of earth; I remove this monument.

75.60 Falls 6 lks. S. of a basalt stone, 20x12x10 ins., firmly set, mkd. with four notches on W., two notches on E., C on N., and NM on S face.

80.05 Darling's 144th Mi. Cor.; a basalt stone, 22x9x7 ins., firmly set mkd. C on N., NM on S., 144 M on E., and 68 on W. face.

In place of stone

Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 144, 1868-1925, and build a mound of earth around the monument.

Land, nearly level.

Soil, sandy and gravelly; 2nd rate.

Undergrowth, sage brush.

The Darling Line, 145th Mile

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.0[illegible]. 0.8 lks. to the parallel; the 145th Mi. Cor. has become obliterated

THE DARLING LINE, 145TH MILE

.00 N. 3.0 lks. to the parallel; the 146th Mi. Cor. has become obliterated.

40.00 N. 6.8 lks. to the parallel; the 147th Mi. Cor. has become obliterated.

11.83 N. 11.5 lks. to the parallel; thence the Darling Astronomical Monument No. 5 bears S. 3.4 lks. dist.; altitude observation on the sun for azimuth, September 24, 1928; on this determination the true line bears West.

RETRACEMENT

West, continuing on a retracement of the Darling boundary, on a transit line describing a tangent.

9.85 The point for the 148th Mi. Cor. falls in the Rio Grande; the corner was not established by Darling.

13.97 Set temporary point, Sept. 24, 1928, concluding the season's field work.

Oct. 5, 1931, resume field work, continuing line and measurement.

Altitude observation on the sun for azimuth, Oct. 8, 1931.

40.33 N. 1.0 lks. to the parallel; thence the 149th Mi. Cor. bears S. 86.5 lks. dist.; on this determination the true line bears S. 89° 27′ W.

REESTABLISHMENT

Thence from the 144th Mi. Cor. West, on a reestablishment of the 145th mile.

Descend 41 ft. over gradual NW. slope, through sage brush.

43.10 Irrigation canal, bears N. and S.

58.69 The Carpenter 187th Mi. Cor. bears North, 27.22 chs. dist.; an iron post, firmly set in ground and mound of earth; I remove this monument.

73.53 Falls 2.6 lks. N. of a basalt stone, 24x10x6 ins., firmly set, mkd. with three notches on E., three notches on W., C on N., and NM on S. face; an iron pipe, 2 ins. diam., mkd. with three notches on E. and W. faces, set by stone.

80.00 Falls 3.2 lks. N. of a basalt stone, 10x4x10 ins. above ground, firmly set, mkd. C 145 on N. and NM on S. face.

80.43 The proportional point; corner stone destroyed (Carpenter 168th Mi.).

Chains

THE DARLING LINE, 145TH MILE

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 145, 1868-1925, and build a mound of earth around the monument.

Land, gentle NW. slope, nearly level.
Soil, sandy and gravelly loam; 3rd rate.
Undergrowth, sage brush.

THE DARLING LINE, 146TH MILE

REESTABLISHMENT

West, on a reestablishment of the 146th mile.
Descend 28 ft. over gradual W. slope, through sage brush.

58.33 The Carpenter 186th Mi. Cor. bears North, 27.19 chs. dist.: an iron post, firmly set in ground and mound of earth; I remove this monument.

79.57 Falls 5.4 lks. N. of a basalt stone, 5x2x9 ins. above ground, firmly set, mkd. C 146 on N. and NM on S. face.

80.43 The proportional point; corner stone destroyed (Carpenter 168th Mi.).

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 146, 1868-1925, and build a mound of earth around the monument;

from which

Ute Mountain, bears South, approximately 297 chs. dist., vertical angle + 7° 20′.

Land, gentle W. slope, nearly level.
Soil, sandy and gravelly loam; 3rd rate.
Undergrowth, sage brush.

THE DARLING LINE, 147TH MILE

REESTABLISHMENT

West, on a reestablishment of the 147th mile.
Over level land, through sage brush.

9.00 Ascend 28 ft. over E. slope.

THE DARLING LINE, 147TH MILE

Top of ascent; thence over level land.

Descend 50 ft. over NW. slope.

Dry bed of Costilla River, 50 lks. wide, curving from NW. to SW.; general course S. 27° W.; thence over gently rolling land W. of river.

Ascend 25 ft. to point for corner.

The Carpenter 185th Mi. Cor. bears North, 27.18 chs. dist.; an iron post, firmly set in ground and mound of earth; I remove this monument.

Falls 11.5 lks. N. of a basalt stone, 12x10x6 ins. above ground, firmly set, mkd. C 147 on N. and NM on S. face.

The proportional point; corner stone destroyed (Carpenter 168th Mi.).

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins in the ground, with tablet seated in the top marked Mile Corner No. 147, 1868-1925, and build a mound of earth around the monument.

Land, gently rolling.

Soil, sandy and gravelly loam; 3rd rate.

Undergrowth, sage brush.

THE DARLING LINE, 148TH MILE

REESTABLISHMENT

West, on a reestablishment of the 148th mile.

Ascend 64 ft. over gentle SE. slope, through sage brush.

Crest of divide between the Costilla River and Rio Grande, bears N. and S.; descend 23 ft. over nearly level land to astronomical station.

The Carpenter 184th Mi. Cor. bears North, 27.10 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

Darling's Astronomical Monument No. 5; a basalt stone, 12x12x30 ins., firmly set in ground and mound of stone, mkd. COLORADO on N., NEW MEXICO on S., 37° NL on W., and 1868 on E. face; local marks 1.40 W. TWP. Cor. on W. face.

Chains THE DARLING LINE, 148TH MILE

In place of stone
Construct a concrete monument, in a form 8x14x36 ins., set 20 in
in the ground in a concrete base, with tablet seated in the t
marked Mile Corner No. 147 + 70.53 Chs., 1868-1925, and bu
a mound of stone around the monument.

REESTABLISHMENT

Thence from Astronomical Monument No. 5
S. 89° 27′ W., continuing on the reestablishment of the 148th mi
with new measurement.
Descend 132 ft. over steep, rocky W. slope to bed of Rio Grande

1.70 East rim of gorge, 112 ft. deep, bears NW. and S. 20° E.

7.55 Middle of Rio Grande, 1.50 chs. wide, 12 ins. deep, course S. 20 E
from NW., elevation 7389 ft.; ascend 141 ft. to W. rim of gorg
in 149th Mi.

9.90 The proportional point; the 148th Mi. Cor. was not established
Darling; point falls on W. side of gorge; impracticable to esta
lish corner.
Land, gently rolling and gorge.
Soil, sandy and gravelly loam, stony in W. end; 3rd rate.
Undergrowth, sage brush.

THE DARLING LINE, 149TH MILE

REESTABLISHMENT

S. 89° 27′ W., on a reestablishment of the 149th mile.
Ascend to west rim of gorge.

1.80 West rim of gorge, bears N. 18¾° W. and S. 58½° E.; ascend 83 f
over gradual E. slope, through open country, very little vegetation

4.00 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins
in the ground, with tablet seated in the top marked Mile Corne
No. 148 + 4 Chs., 1868-1925, and build a mound of stone around
the monument.

44.58 A basalt stone, 8x6x16 ins. above ground, loosely set in small mound
of stone, no marks, bears South, 51½ lks. dist.; the closing corne

THE DARLING LINE, 149TH MILE

of secs. 23 and 24, T. 32 N., R. 11 E., New Mexico Prin. Mer.; Colorado.

The Carpenter 183rd Mi. Cor. bears North, 27.61 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

Darling's 149th Mi. Cor.; a basalt stone, 10x6x4 ins., mkd. 149, under mound of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 20 ins. in the ground, with tablet seated in the top marked Mile Corner No. 149, 1868-1925, and build a mound of stone around the monument; reset original deposit by S. side of monument.

Land, gently rolling and gorge.

Soil, sandy, gravelly and stony loam; 3rd rate.

Vegetation, scattering sage brush and grass.

THE DARLING LINE, 150TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

N. 0.8 lks. to the parallel; thence the 150th Mi. Cor. bears S. 45.5 lks. dist.; on this determination the true line bears S. 89° 41′ W.

REESTABLISHMENT

Thence from the 149th Mi. Cor. S. 89° 41′ W., on a reestablishment of the 150th mile.

Ascend 90 ft. over gradual E. slope, through open country, very little vegetation.

A basalt stone, 8x12x16 ins. above ground, loosely set in mound of stone, no marks, bears South, 97.6 lks. dist.; the closing corner of secs. 22 and 23, T. 32 N., R. 11 E., New Mexico Prin. Mer., New Mexico.

Fence, bears N. and S.

The Carpenter 182nd Mi. Cor. bears North, 28.08 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

Chains

THE DARLING LINE, 150TH MILE

70.50 Top of ascent; descend 8 ft. over gentle W. slope to corner.

80.40 Darling's 150th Mi. Cor.: a basalt stone, 7x8x21 ins., loosely set in mound of stone, mkd. C on N., NM on S., 150 M on E., and on W. face; a basalt stone, 6x6x7 ins., mkd. 150 M, 6 ins. below the surface.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 150, 1868-1925, and build a mound of stone around the monument; reset original stone by W. and original deposit by S. side of monument.

Land, gently rolling.

Soil, sandy, gravelly and stony loam; 3rd rate.

Vegetation, scattering sage brush and grass.

THE DARLING LINE, 151ST MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.36 N. 0.8 lks. to the parallel; thence the 151st Mi. Cor. bears N. 45° lks. dist.; altitude observation on the sun for azimuth, Oct. 1931; on this determination the true line bears N. 89° 39' W.

REESTABLISHMENT

Thence from the 150th Mi. Cor. N. 89° 39' W., on a reestablishment of the 151st mile.

Over nearly level land, through open country, very little vegetation.

22.40 Begin ascent of 130 ft. over gradual SE. slope.

35.30 Fence, bears N. and S.

43.84 The closing cor. of secs. 21 and 22, T. 32 N., R. 11 E., New Mexico Prin. Mer., Colorado, bears North, 62.3 lks. dist.; a basalt stone 12x8x15 ins. above ground, firmly set in small mound of stone, mkd. CC on N. face.

55.95 The Carpenter 181st Mi. Cor. bears North, 27.71 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove the monument.

THE DARLING LINE, 151ST MILE

Darling's 151st Mi. Cor.: a basalt stone, 8x10x16 ins., lying by mound of stone, mkd. C., NM., 151 M, and 68 on opposite faces:

from which

A conical mound (small mountain), bears N. 35 E., approximately 41 chs. dist.

Ute Mountain, bears S. 52 E.

A conical peak, bears S. 4 06' E.

High point on mountain ridge, bears S. 11 43' E., approximately 25¾ mi. dist.

Mountain ridge, bears S. 4° 52' W.

A conical peak, bears S. 15¼° W.

A conical peak on mountain ridge, bears S. 22¾° W., approximately 30½ mi. dist.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 20 ins. in the ground, with tablet seated in the top marked Mile Corner No. 151, 1868-1925, and build a mound of stone around the monument.

Land, gently rolling.

Soil, sandy, gravelly, and stony. 3rd rate.

Vegetation, scattering sage brush and grass.

COLORADO

CONEJOS COUNTY

COSTILLA

T. 32 N., R. 11 E.

21 22 23 24

151 — N 89° 39' W 80.36 — 150 — S 89° 41' W 80.40 — 149 — S 89° 27' W 80.43 — 148 — S 89° 27' W 9.90 — ASTRONOMICAL MON. NO. 5 — WEST 70.54 — 147 — WEST 80.43 — 146 — WEST 80.43

+4.00

7500 7700 7700 7500 7500 7500 7700

SANGRE DE

San Luis River

SANGRE DE

Costilla

Rio Grande

TAOS COUNTY

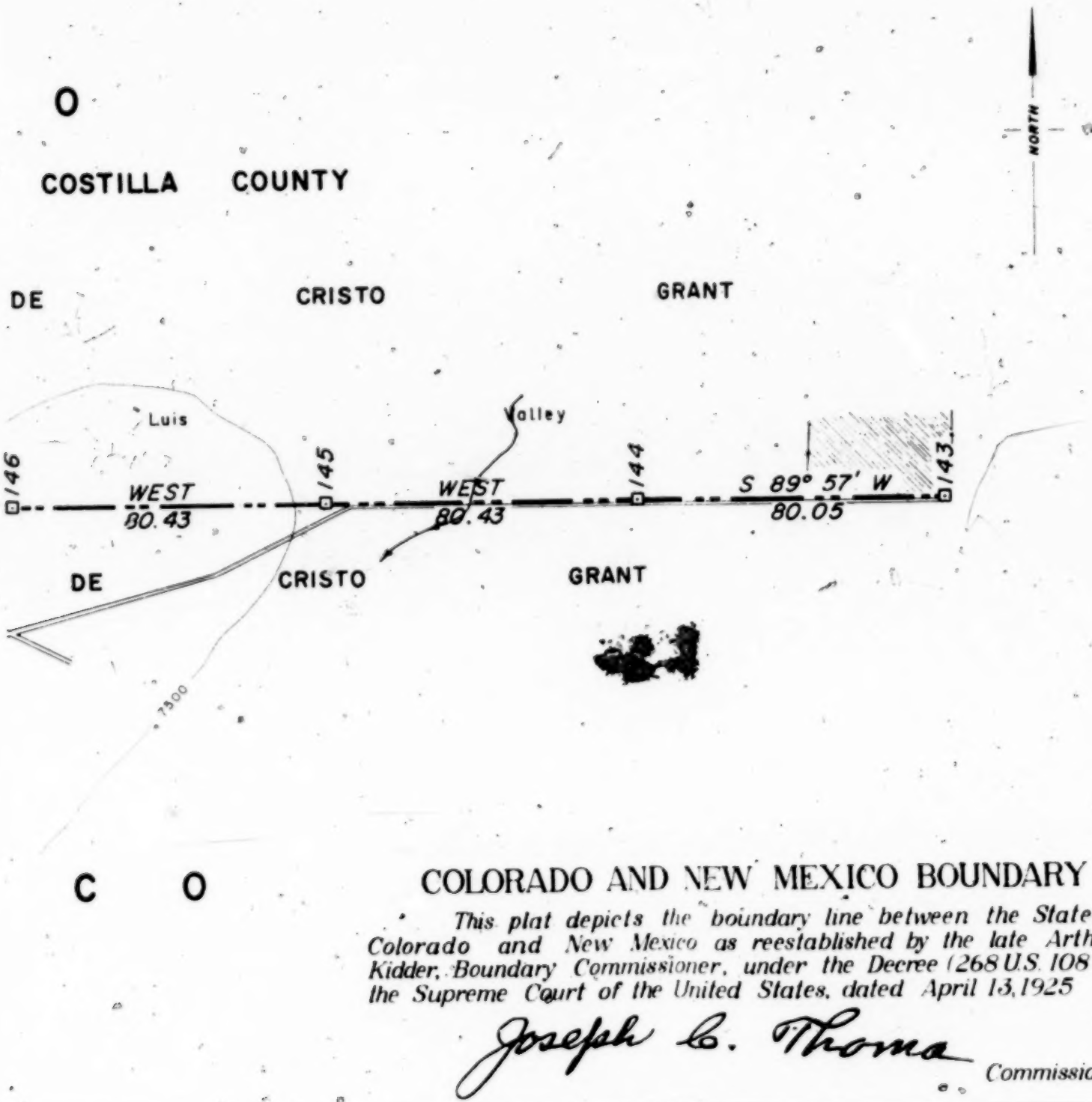
T. 32 N., R. 11 E.

NEW MEXICO

SCALE

0 10 20 30 40 80

40 Chains to the Inch



COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925

Joseph C. Thoma

Commissioner.

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 151

to

MILE CORNER No. 160

THE DARLING LINE, 152ND MILE

Chains *RETRACEMENT*

Altitude observation on the sun for azimuth, Oct. 8, 1931.

West, on a retracement of the Darling boundary, on a tra describing a tangent.

80.24 N. 0.8 lks. to the parallel; thence the 152nd Mi. Cor. bears lks. dist.; on this determination the true line bears S. 89

REESTABLISHMENT

Thence from the 151st Mi. Cor. S. 89° 30' W., on a reestabl of the 152nd mile.

Ascend 430 ft. over gently rolling SE. slope and steep E through open country, very little vegetation.

55.89 The Carpenter 180th Mi. Cor. bears North, 28.03 chs. dist.: post, firmly set in ground and mound of stone; 1 remo monument.

60.00 Thence ascend steep E. slope.

80.24 Darling's 152nd Mi. Cor.; a basalt stone, 8x14x32 ins. above g firmly set in mound of stone, mkd. C on N., NM on S., 15 E., and 68 on W. face; a basalt stone, 8x5x3 ins., mkd. 152 mound of stone.

In place of stone

Construct a concrete monument, in a form 8x11x18 ins., st 9 ins. above ground, set in concrete base, 18x18x12 ins., to with ground surface, with tablet seated in the top marke Corner No. 152, 1868-1925, and build a mound of stone a the monument; reset original stone by W. and original dep S. side of monument; monument is on top of E. edge of mou W., 20 lks. dist. to center of top.

Land, rolling and mountainous.

Soil, gravelly and stony loam; 3rd rate.

Vegetation, scattering sage brush and grass.

THE DARLING LINE, 153RD MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a trans describing a tangent.

Chains

THE DARLING LINE, 153RD MILE

37.00 Hour angle observation of Polaris for azimuth, Oct. 11, 1931.

80.20 N. 0.8 lks. to the parallel; thence the 153rd Mi. Cor. bears S. 6.1 lks. dist.; on this determination the true line bears S. 89° 57′ W.

REESTABLISHMENT

Thence from the 152nd Mi. Cor. S. 89° 57′ W., on a reestablishment of the 153rd mile.

Over mountain top, through open country, very little vegetation.

0.20 Crest of mountain, bears N. 12° W. and S. 34° E.; descend 572 ft. over steep and gradual W. slopes.

15.80 Hillside wash, course SW.

30.00 Foot of steep slope; thence over gradual W. slope.

38.50 Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 152 + 38.50 Chs., 1868-1925, and build a mound of stone around the monument.

39.23 Wagon road, bears N. and S.

55.57 The Carpenter 179th Mi. Cor. bears North, 28.16 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

80.20 Darling's 153rd Mi. Cor.; a basalt stone, 4x7x18 ins., lying on ground, mkd. C. and NM. on opposite faces and 68 on one face; a basalt stone, 8x4x4 ins., mkd. 153, 8 ins. below the surface.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 153, 1868-1925, and build a mound of stone around the monument; reset original stone by W. and deposit by S. side of monument.

Land, mountainous and rolling.

Soil, sandy and gravelly loam, stony; 3rd rate.

Vegetation, scattering sage brush, grease wood, and grass.

THE DARLING LINE, 154TH MILE

Chains

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit li describing a tangent.

80.40 N. 0.8 lks. to the parallel; thence the 154th Mi. Cor. bears S. lks. dist.; on this determination the true line bears S. 89° 56' W

REESTABLISHMENT

Thence from the 153rd Mi. Cor. S. 89° 56' W., on a reestablishme of the 154th mile.

Descend 25 ft. over nearly level land, through open country, ve little vegetation:

30.30 Dim wagon road, bears N. 20° W. and S. 25° E.

42.18 The closing cor. of secs. 19 and 24, Tps. 32 N., Rs. 10 and 11 E New Mexico Prin. Mer., New Mexico, bears South, 7.7 lks. dist a basalt stone, 6x8x16 ins., loosely set in mound of stone, mkd CC on S. face.

55.47 The Carpenter 178th Mi. Cor. bears North, 28.12 chs. dist.: an iro post, firmly set in ground and mound of stone; I remove th monument.

74.50 Arroyo, course S. 75° W. and N. 20° E.

80.40 Darling's 154th Mi. Cor.; a basalt stone, 8x12x20 ins., loosely s in mound of stone, mkd. C on N., NM on S., 154 M on E., an 68 on W. face; a basalt stone, 3x7x11 ins., mkd. 154, under moun of stone.

In place of stone

Construct a concrete monument, in a form 8x11x18 ins., standin 11 ins. above ground, set in concrete base, 18x18x12 ins., to level with ground surface, with tablet seated in the top marke Mile Corner No. 154, 1868-1925, and build a mound of ston around the monument; reset original stone by W. and origina deposit by S. side of monument.

Land, nearly level.

Soil, sandy and gravelly loam, stony; 3rd rate.

Vegetation, scattering sage brush, grease wood, and grass.

The Darling Line, 155th Mile

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

N. 0.8 lks. to the paralliel; thence the 155th Mi. Cor. bears N. 1.0 lks. dist.; on this determination the true line bears West.

REESTABLISHMENT

Thence from the 154th Mi. Cor. West, on a reestablishment of the 155th mile.

Ascend 43 ft. over nearly level land, through open country, very little vegetation.

A small mound of stone, none marked, bears North, 11½ lks. dist.

The Carpenter 177th Mi. Cor. bears North, 28.01 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

Irrigation ditch, bears N. 10° E. and S. 10° W.

Darling's 155th Mi. Cor.; a basalt stone, 5x13x26 ins., loosely set in mound of stone, mkd. C on N., NM on S., 155 M on E., and 68 on W. face.

In place of stone

Construct a concrete monument in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 155, 1868-1925, and build a mound of stone around the monument; reset original stone by W. side of monument.

Land, nearly level.

Soil, sandy and gravelly loam, stony; 3rd rate.

Vegetation, scattering sage brush, grease wood, and grass.

The Darling Line, 156th Mile

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

N. 0.8 lks. to the parallel; thence the 156th Mi. Cor. bears S. 28.9 lks. dist.; on this determination the true line bears S. 89° 48' W.

THE DARLING LINE, 156TH MILE

Chains *REESTABLISHMENT*

Thence from the 155th Mi. Cor. S. 89° 48' W., on a reestablishment of the 156th mile.

Ascend 28 ft. over nearly level land, through open country, very little vegetation.

54.52 The Carpenter 176th Mi. Cor. bears North, 28.21 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove the monument.

80.34 Darling's 156th Mi. Cor.; a basalt stone, 10x10x15 ins., firmly set in mound of stone, mkd. C on N., NM on S., 156 M on E., and 68 on W. face.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 156, 1868-1925, and build a mound of stone around the monument; reset original stone by W. side of monument.

Land, nearly level.

Soil, sandy, gravelly, stony loam; 3rd rate.

Vegetation, scattering sage brush, grease wood, and grass.

THE DARLING LINE, 157TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.26 N. 0.8 lks. to the parallel; thence the 157th Mi. Cor. bears N. 2[illegible] lks. dist.; on this determination the true line bears N. 89° 49' W.

REESTABLISHMENT

Thence from the 156th Mi. Cor. N. 89° 49' W., on a reestablishment of the 157th mile.

Over gently rolling land, through open country, very little vegetation.

31.30 Dim wagon road, bears N. 20° W. and S. 20° E.

38.60 House, bears North, 25.74 chs. dist.

54.18 The Carpenter 175th Mi. Cor. bears North, 28.09 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove the monument.

THE DARLING LINE, 157TH MILE

Wagon road, bears N. 11 W. and S. 11 E.; wide draw, course N. 60 E. from S. ~

Dim wagon road, bears NW. and SE.

Darling's 157th Mi. Cor.: a basalt stone, broken in two pieces, bottom piece firmly set in mound of stone, top piece mkd. C., NM., 157 M., and 68 on opposite faces, total dimensions of stone, 8x12x20 ins.; a basalt stone, 3x5x8 ins., faintly mkd. 15, 8 ins. below the surface.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 157, 1868-1925, and build a mound of stone around the monument; reset original stone by W. and original deposit by S. side of monument.

Land, gently rolling.

Soil, sandy, gravelly, stony loam; 3rd rate.

Vegetation, scattering sage brush, grease wood, and grass.

THE DARLING LINE, 158TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

N. 0.8 lks. to the parallel; thence the 158th Mi. Cor. bears S. 6.9 lks. dist.; on this determination the true line bears S. 89° 57' W.

REESTABLISHMENT

Thence from the 157th Mi. Cor. S. 89° 57' W., on a reestablishment of the 158th mile.

Ascend 75 ft. over gradual E. slope, through open country, very little vegetation.

A stone mound, 3½x4½x2 ft. above ground, noted by Darling, bears South, 4.45 chs. dist.

The Carpenter 174th Mi. Cor. bears North, 27.95 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

Chains

THE DARLING LINE, 158TH MILE

80.34 Darling's 158th Mi. Cor.: a basalt stone, 6x14x26 ins., nearly bur in soil, with 158 M up, mkd. C., NM., 158 M. and 68 on oppos faces; a basalt stone, 4x6x8 ins., mkd. 158, 6 ins. below the s face.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 in the ground, with tablet seated in the top marked Mile Corn No. 158, 1868-1925, and build a mound of stone around the mo ment; re-set original stone by W. and deposit by S. side of mo ment.

Land, gradual E. slope.

Soil, sandy, gravelly, stony loam; 3rd rate

Vegetation, scattering sage brush, grease wood, and grass

THE DARLING LINE, 159TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit l describing a tangent.

80.34 N. 0.8 lks. to the parallel; thence the 159th Mi. Cor. bears S. 5 lks. dist.; on this determination the true line bears S. 89° 38' W

REESTABLISHMENT

Thence from the 158th Mi. Cor. S. 89° 38' W., on a reestablishme of the 159th mile.

Ascend 29 ft. over nearly level land, through open country, ver little vegetation.

46.00 Thence descend 4 ft. over nearly level land to corner.

53.62 The Carpenter 173rd Mi. Cor. bears North 28.24 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

80.34 Darling's 159th Mi. Cor.: a basalt stone, 8x9x16 ins., firmly set mound of stone, mkd. C on N., NM on S., 159 M on E., and on W. face; a basalt stone, white on one side, 4x5x5 ins., mk 159 on white side, 6 ins. below the surface;

from which

A bare conical mountain, bears N. 9° E., approximately 2 mi. dist

THE DARLING LINE, 159TH MILE

Point of mountain ridge, bears N. 18¼ E., approximately 11 mi. dist.

Point of mountain ridge, near Rio Grande, bears N. 67 E., approximately 7½ mi. dist.

Ute Mountain, bears S. 73¼ E.

Conical peak on San Antonia Mountain, bears S. 30 23' W.

Mogote Peak, bears N. 68 56' W., approximately 15 mi. dist.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 159, 1868-1925, and build a mound of stone around the monument.

Land, nearly level.

Soil, sandy, gravelly, stony loam, 3rd rate.

Vegetation, scattering sage brush, grease wood, and grass.

THE DARLING LINE, 160TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

N. 0.8 lks. to the parallel; thence the 160th Mi. Cor. bears S. 24.3 lks. dist.; on this determination the true line bears S. 89 50' W.

REESTABLISHMENT

Thence from the 159th Mi. Cor. S. 89 50' W., on a reestablishment of the 160th mile.

Ascend 49 ft. over nearly level land, through open country, very little vegetation.

The closing cor. of secs. 19 and 24, Tps. 32 N., Rs. 9 and 10 E., New Mexico Prin. Mer., New Mexico, bears South, 10.5 lks. dist.; a basalt stone, 6x12x14 ins., firmly set in mound of stone, mkd. CC on S. face.

The Carpenter 172nd Mi. Cor. bears North, 28.53 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

Chains THE DARLING LINE, 160TH MILE

80.37 Darling's 160th Mi. Cor.: a basalt stone, 8x12x22 ins., with top broken, loosely set in mound of stone, mkd. C on N., 160 M on E. and 68 on W. face; a basalt stone, 3x6x12 ins., no marks, under mound of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 160, 1868-1925, and build a mound of stone around the monument; reset original stone by W. and deposit by S. side of monument.

Land, nearly level.

Soil, sandy, gravelly, stony loam: 3rd rate.

Vegetation, scattering sage brush, grease wood, and grass.

C O L O R A D O

COSTILLA COUNTY

T. 32 N., R. 9 E.
T. 32 N., R. 10 E.

160 — S 89° 50' W 80.37 — 159 — S 89° 38' W 80.34 — 158 — S 89° 57' W 80.34 — 157 — N 89° 49' W 80.26 — 156 — S 89° 48' W 80.34 — 155 — WEST 80.50 — 154

7800 7700

24 19 20 21 22 23 24

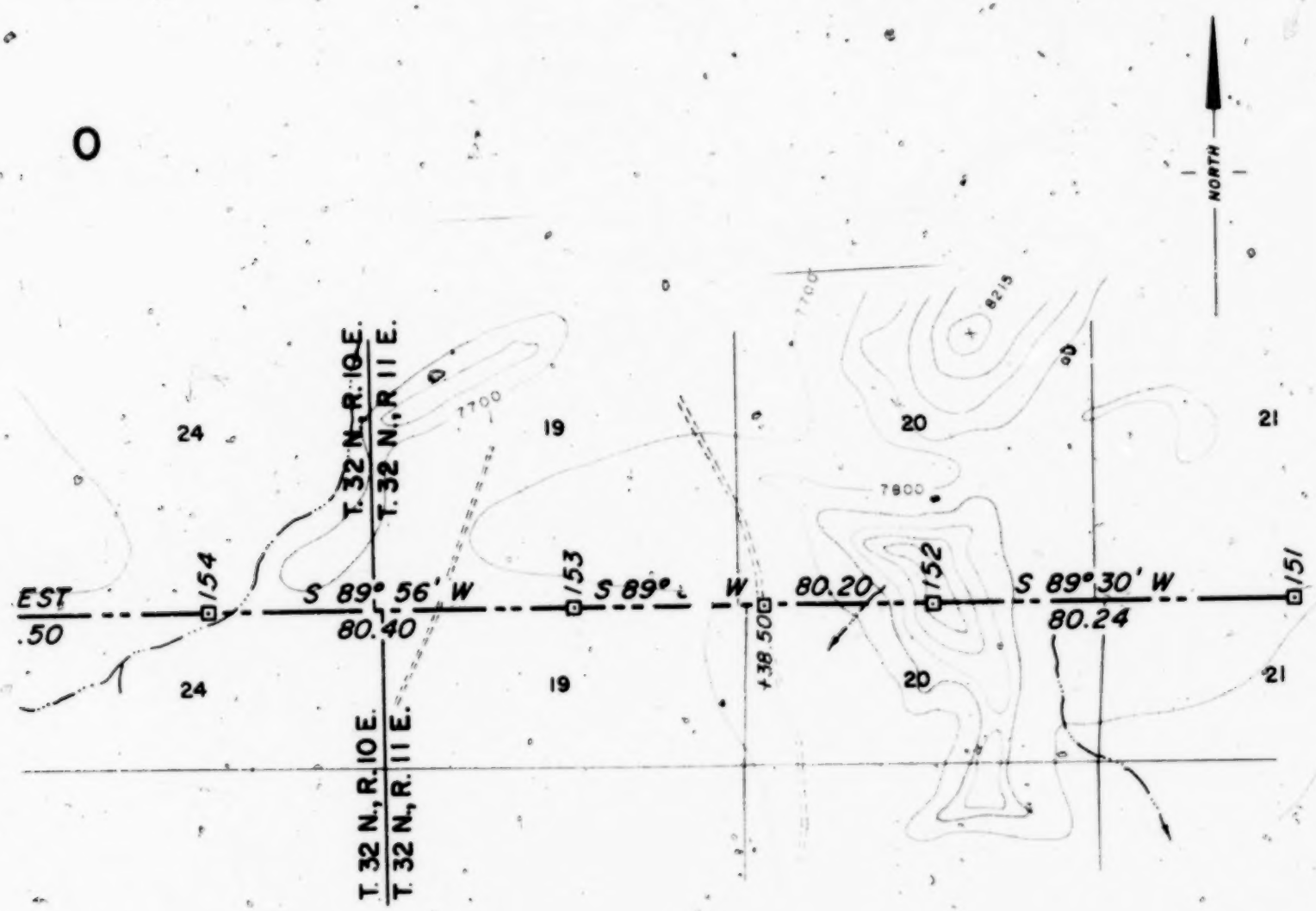
T. 32 N., R. 9 E.
T. 32 N., R. 10 E.

24 19 20 21 22 23 24

TAOS COUNTY

N E W M E X I C O

SCALE
0 10 20 30 40 80
40 Chains to the inch

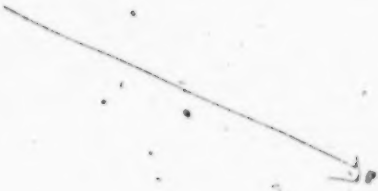


COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925

Joseph C. Thoma

Commissioner



COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 160

to

MILE CORNER No. 168

THE DARLING LINE, 161ST MILE

Chains

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

15.03 Hour angle observation of Polaris for azimuth, Oct. 12, 1931.

80.07 N. 0.8 lks. to the parallel; thence the 161st Mi. Cor. bears S. 17.7 lks. dist.; on this determination the true line bears S. 89° 52′ W.

REESTABLISHMENT

Thence from the 160th Mi. Cor. S. 89° 52′ W., on a reestablishment of the 161st mile.

Ascend 49 ft. over nearly level land, through open country, very little vegetation.

17.00 Construct a concrete monument, in a form 16x24x36 ins., set 22 ins. in the ground, with tablet seated in the top marked Mile Corner No. 160 + 17 Chs., 1868-1925, and build a mound of stone around the monument.

17.74 Wagon road, bears N. 23° W. and S. 23° E.

41.69 A basalt stone, 6x10x12 ins. above ground, firmly set in mound of stone, mkd. BL on N. face.

45.65 The closing cor. of secs. 23 and 24, T. 32 N., R. 9 E., New Mexico Prin. Mer., New Mexico; a basalt stone, 3x10x14 ins. above ground, firmly set in mound of stone, mkd. CC on S. face.

52.98 The Carpenter 171st Mi. Cor. bears North, 27.84 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

80.07 Darling's 161st Mi. Cor.; a basalt stone, 7x11x21 ins., lying on mound of stone, mkd. C., NM., 161 M, and 68 on opposite faces; a basalt stone, 5x6x12 ins., no marks, under mound of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 18 ins. in the ground, with tablet seated in the top marked Mile Corner No. 161, 1868-1925, and build a mound of stone around the monument; reset original stone by W. and deposit by S. side of monument.

Land, nearly level.

hains

THE DARLING LINE, 161ST MILE

Soil, sandy, gravelly, stony loam; 3rd rate.

Vegetation, scattering sage brush, grease wood, and grass.

THE DARLING LINE, 162ND MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

39.62 N. 0.2 lks. to the parallel; thence the Darling witness stone set alongside the old Santa Fe trail bears N. 15 lks. dist.; on this determination the true line bears N. 89° 47′ W.

RETRACEMENT

West, continuing on a retracement of the Darling boundary, on a transit line describing a tangent.

40.88 N. 0.2 lks. to the parallel; thence the 162nd Mi. Cor. bears S. 17.4 lks. dist.; on this determination the true line bears S. 89° 45′ W.

REESTABLISHMENT

Thence from the 161st Mi. Cor. N. 89° 47′ W., on a reestablishment of the 162nd mile.

Ascend 53 ft. over nearly level land, through open country, very little vegetation.

39.62 Darling's road monument; a basalt stone, 6x8x18 ins., lying on ground by mound of stone, mkd. C., and NM. on opposite faces.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 20 ins. in the ground, with tablet seated in the top marked Mile Corner No. 161 + 39.62 Chs., 1868-1925, and build a mound of stone around the monument; reset original stone by W. side of monument.

REESTABLISHMENT

S. 89° 45′ W., continuing on a reestablishment of the 162nd mile, with new measurement.

Over level land, descending 3 ft. to corner.

0.10 Old road from Conejos, Colorado, to Santa Fe, New Mexico, bears N. and S.

2.15 The closing cor. of secs. 22 and 23, T. 32 N., R. 9 E., New Mexico Prin. Mer., Colorado, bears North, 2.3 lks. dist.: a basalt stone,

Chains THE DARLING LINE, 162ND MILE

3x8x18 ins. above ground, firmly set in mound of stone, mkd. Bl. on N. face.

13.23 The position for the Carpenter 170th Mi. Cor. bears North, 26.93 chs. dist.; iron post not found; a mound of stone; I scatter the mound.

40.88 Darling's 162nd Mi. Cor.; a basalt stone, 7x12x13 ins., lying by mound of stone, top broken, remaining marks NM on one face and 162 on one face.

In place of stone

Construct a concrete monument, in a form 8x11x18 ins., standing 20 ins. above ground, set in concrete base, 12x12x16 ins., top 4 ins. above ground surface, with tablet seated in the top marked Mile Corner No. 162, 1868-1925, and build a mound of stone around the monument; reset original stone by W. side of monument.

Land, nearly level.

Soil, sandy, gravelly, stony loam; 3rd rate.

Vegetation, scattering sage brush, grease wood, and grass.

THE DARLING LINE, 163RD MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.33 N. 0.8 lks. to the parallel; thence the 163rd Mi. Cor. bears S. 36.1 lks. dist.; on this determination the true line bears S. 89° 45′ W.

REESTABLISHMENT

Thence from the 162nd Mi. Cor. S. 89° 45′ W., on a reestablishment of the 163rd mile.

Ascend 53 ft. over nearly level land, through open country, very little vegetation.

45.22 The closing cor. of secs. 21 and 22, T. 32 N., R. 9 E., New Mexico Prin. Mer., New Mexico, bears South, 3.8 lks. dist.; a basalt stone, 9x9x8 ins. above ground, firmly set in mound of stone, mkd. CC on S. face.

Chains THE DARLING LINE, 163RD MILE

52.30 The position for the Carpenter 169th Mi. Cor. bears North, 28.82 chs. dist.; iron post not found; a mound of stone; I scatter the mound.

75.08 A conical peak, bears S. 7 52' E.
A conical peak, bears S. 10 E.; descend 6 ft. to corner.

80.33 Darling's 163rd Mi. Cor.; a basalt stone, 3x10x23 ins., firmly set in mound of stone, mkd. C on N., NM on S., 163 M on E., and 68 on W. face; a basalt stone, 3x7x8 ins., mkd. with cross (+), 6 ins. below the surface.

In place of stone
Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 163, 1868-1925, and build a mound of stone around the monument; reset original stone by W. and deposit by S. side of monument.

Land, nearly level.
Soil, sandy, gravelly, stony loam; 3rd rate.
Vegetation, scattering sage brush, grease wood, and grass.

THE DARLING LINE, 164TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

65.40 N. 0.5 lks. to the parallel; the Darling witness stone has become obliterated.

80.30 N. 0.8 lks. to the parallel; thence the 164th Mi. Cor. bears S. 35.0 lks. dist.; on this determination the true line bears S. 89° 45' W.

REESTABLISHMENT

Thence from the 163rd Mi. Cor. S. 89° 45' W., on a reestablishment of the 164th mile.

Over nearly level land, through open country, very little vegetation.

20.35 Railroad state line marker, bears North, 9½ lks. dist.; a sandstone, 10 ins. sq., standing 6 ft. above the ground surface.

20.46 Telephone and telegraph line, parallel with railroad.

Chains

THE DARLING LINE, 164TH MILE

20.93 Denver and Rio Grande Western railroad, bears N. 9° 39' W. and S. 9° 39' E., elevation 8039 ft.

22.00 Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 163 + 22 Chs., 1868-1925, and build a mound of stone around the monument; ascend 20 ft. to corner.

23.02 Colorado highway No. 163, bears N. 18¾° W. and New Mexico highway No. 74, bears S. 18¾° E.

45.34 The closing cor. of secs. 20 and 21, T. 32 N., R. 9 E., New Mexico Prin. Mer., New Mexico, bears North, 8 lks. dist.; a basalt stone, 8x11x14 ins., loosely set in mound of stone, mkd. CC on S. face.

51.74 The Carpenter 168th Mi. Cor. bears North, 25.93 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

65.10 Old road, bears N. 10° W. and S. 3° E.

76.20 Wagon road, bears N. 35° E. and SW.

80.30 Darling's 164th Mi. Cor.; a basalt stone, 7x8x20 ins., lying by mound of stone, mkd. C., NM., 164 M, and 68 on opposite faces.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 164, 1868-1925, and build a mound of stone around the monument; reset original stone by W. side of monument; corner is at the SE. cor. of a fence, bearing N. and W.

Land, nearly level.

Soil, sandy, gravelly, stony loam; 3rd rate.

Vegetation, scattering sage brush, grease wood, and grass.

THE DARLING LINE, 165TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 N. 0.8 lks. to the parallel; the 165th Mi. Cor. has become obliterated. Meridian observation of the sun for apparent noon, Oct. 23, 1931.

Chains THE DARLING LINE, 165TH MILE

160.00 N. 3.0 lks. to the parallel; the 166th Mi. Cor. has become obliterated.

240.00 N. 6.8 lks. to the parallel; the 167th Mi. Cor. has become obliterated.

261.89 Hour angle observation of Polaris for azimuth, Oct. 23, 1931.

321.52 N. 12.2 lks. to the parallel; thence the 168th Mi. Cor. bears S. 137.8 lks. dist.; on this determination the true line bears S. 89° 45' W.

REESTABLISHMENT

Thence from the 164th Mi. Cor. S. 89° 45' W., on a reestablishment of the 165th mile.

Over nearly level mesa top, along a fence, very little vegetation.

51.29 The Carpenter 167th Mi. Cor. bears North, 25.36 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

57.25 Wagon trail, bears N. 20° E. and S. 37° W.

73.14 The Carpenter Astronomical Monument No. 4, bears North, 25.25 chs. dist.; a limestone, 9x12x66 ins., firmly set in ground and mound of stone; I obliterate the marks and bury the stone.

73.90 East rim of small canon, bears N. 19° W. and S. 16° W.; W. end of fence line; descend 95 ft. over steep W. slope.

79.00 Small canon, course N.; ascend 17 ft. over E. slope.

79.45 Wagon road, bears N. 4° E. and S. 24° W.

80.38 The proportional point; corner stone destroyed (Carpenter 162nd Mi.).

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 165, 1868-1925, and build a mound of stone around the monument.

Land, nearly level mesa and canon.

Soil, sandy, gravelly, stony loam; 3rd rate.

Vegetation, scattering sage brush and grass.

THE DARLING LINE, 166TH MILE

Chains *REESTABLISHMENT*

S. 89 45' W., on a reestabiishment of the 166th mile.
Ascend 138 ft. over steep E. slope, through open country, very litte vegetation.

3.20 West rim of canon, bears N. 8 W. and curving SW.; thence ascen gradual E. slope on mesa.

37.00 Top of ascent; descend 145 ft. over W. slope.

37.50 West rim of mesa, overlooking Ortiz village, bears N. 52° E. and S. 29° W.; descend steep W. slope.

41.15 Wagon trail, bears N. 10° E. and S. 10° W.

41.50 East bank of San Antonio River, bears N. 10° E. and S. 10° W stream 40 lks. wide, course N. 10° E.

42.40 West bank of river, bears N. 10° E. and S. 10° W.; ascend 16 f. along N. slope.

43.28 Fence cor., bears N., 4 lks. dist., fences SW., N. 53° E., and W.

51.43 The Carpenter 166th Mi. Cor. bears North, 26.52 chs. dist. (computed); an iron post, firmly set in ground and mound of earth I remove this monument.

53.07 Fence, bears N. 6° W. and S. 6° E.

53.16 Ortiz road, bears N. 6° W. and S. 6° E.

53.60 Construct a concrete monument, in a form 16x24x36 ins., set 24 in. in the ground, with tablet seated in the top marked Mile Corner No. 165 + 53.60 Chs., 1868-1925, and build a mound of stone around the monument.

53.74 Fence cor., bears N., 2 lks. dist., fences N., S., and W.; enter cultivated fields N. and S. of fence.

66.23 Fence cor., bears N., 2 lks. dist., fences E., W., and N. 10° W leave cultivated fields N. of fence.

68.20 Enter scattering cottonwood timber along river.

74.20 Los Pinos River, bears N., 2.80 chs. dist., course N. 80° E. from NW.

78.60 Leave timber along river.

Chains

THE DARLING LINE, 166TH MILE

80.38 The proportional point; unable to identify Darling's 166th Mi. Cor. Construct a concrete monument, in a form 8x14x36 ins., standing 34 ins. above ground, set in a concrete base, 18x18x15 ins., top level with ground surface, with a concrete sub-base, 24x24x6 ins., 21 ins. in the ground, with tablet seated in the top marked Mile Corner No. 166, 1868-1925.

Land, E. half broken, W. half nearly level bottom.

Soil, sandy, gravelly, stony loam; 1st and 3rd rate.

Timber, cottonwood; undergrowth, scattering sage brush.

THE DARLING LINE, 167TH MILE

REESTABLISHMENT

S. 89° 45' W., on a reestablishment of the 167th mile.

Ascend 22 ft. over nearly level bottom land, along an E. and W. fence, cultivated fields S. and sage brush N. of fence.

2.50 Fence cor., bears N., 2 lks. dist.; fences E., N., and S., 47 lks. dist. fence W. from N. and S. fence.

5.18 Fence cor., bears S., 46 lks. dist., fences E., W., and N.; enter cultivated field N. of fence.

18.50 Leave cultivated field N. of fence.

18.98 NW. cor. of house, bears N., 41 lks. dist.

19.23 NE. cor. of house, bears N., 41 lks. dist.

21.88 Enter scattering cottonwood timber along river; fence, bears N. and S.

28.39 Fence, bears N. 20° E. and S. 20° W.

28.45 Right bank of Los Pinos River, bears N. 20° E. and S. 20° W.; course of stream N. 20° E.

29.30 Left bank of river, bears N. 20° E. and S. 20° W.

31.40 Wagon trail, bears NE. and SW.

31.52 Fence, bears NE. and SW.

33.72 Irrigation ditch, 3 lks. wide, course N. 30° E.

34.00 Leave timber, enter cultivated field, bears N. 35° E. and SW.

Chains

THE DARLING LINE, 167TH MILE

50.84 Thence North, 28.40 chs. dist.; the Carpenter 165th Mi. Cor. had been removed; found iron post, lying loose on ground; I remove the post from the vicinity.

54.50 Irrigation ditch, 20 lks. wide, course N. 20° E.

80.38 The proportional point; unable to identify Darling's 167th Mi. Cor. Construct a concrete monument, in a form 8x14x36 ins., standing 34 ins. above ground, set in a concrete base, 23x18x15 ins., top level with ground surface, with tablet seated in the top marked Mile Corner No. 167, 1868-1925.

Land, nearly level bottom.

Soil, sandy loam; 1st rate.

Timber, cottonwood; undergrowth, sage brush.

THE DARLING LINE, 168TH MILE

REESTABLISHMENT

S. 89° 45' W., on a reestablishment of the 168th mile.

Ascend 375 ft. over gradual NE. slope and steep E. slope, through field.

11.36 Irrigation ditch, 5 lks. wide, course N. 39° W.; leave field.

19.15 Road, bears NW. and SE.

20.50 Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 167 + 20.50 Chs., 1868-1925, and build a mound of stone around the monument.

29.45 Arroyo, course NE.

33.00 Leave bottom; begin ascent of steep E. slope.

42.83 The Carpenter 164.1 Mi. Cor. bears North, 23.94 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

43.30 West rim of valley, overlooking Ortiz village; thence ascend gradual E. slope over mesa.

59.85 Wagon trail, bears N. 42¾° E. and S. 42½° W.

77.14 Railroad state line marker, bears North, 1 lk. dist.; a sandstone, 10x10x40 ins. above ground, firmly set.

Chains THE DARLING LINE, 168TH MILE

77.37 Denver and Rio Grande Western Railroad, curving from SW. to NW. to SW.; elevation 8396 ft.

80.38 Darling's 168th Mi. Cor.; a basalt stone, 4x7x9 ins., mkd. 168 M. 8 ins. below the surface.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 168, 1868-1925, and build a mound of stone around the monument; reset original deposit stone by S. side of monument.

Land, E. part nearly level valley, W. part broken and mountainous.

Soil, sandy loam; 1st rate, and sandy, gravelly, stony loam; 3rd rate.

Vegetation, sage brush and grass.

C O L O R A D O

CONEJOS COUNTY

T. 32 N., R. 8 E.

T. 32 N., R. 9 E.

Ortiz

Los Pinos

Pinos River

San Antonio River

DENVER & RIO GRANDE RR

285

163

74

22 23 24 19 20 21

S 89° 45' W 80.38

S 89° 45' W 80.30

+20.50

+22.00

+53.60

8000 8200 8400

RIO ARRIBA COUNTY

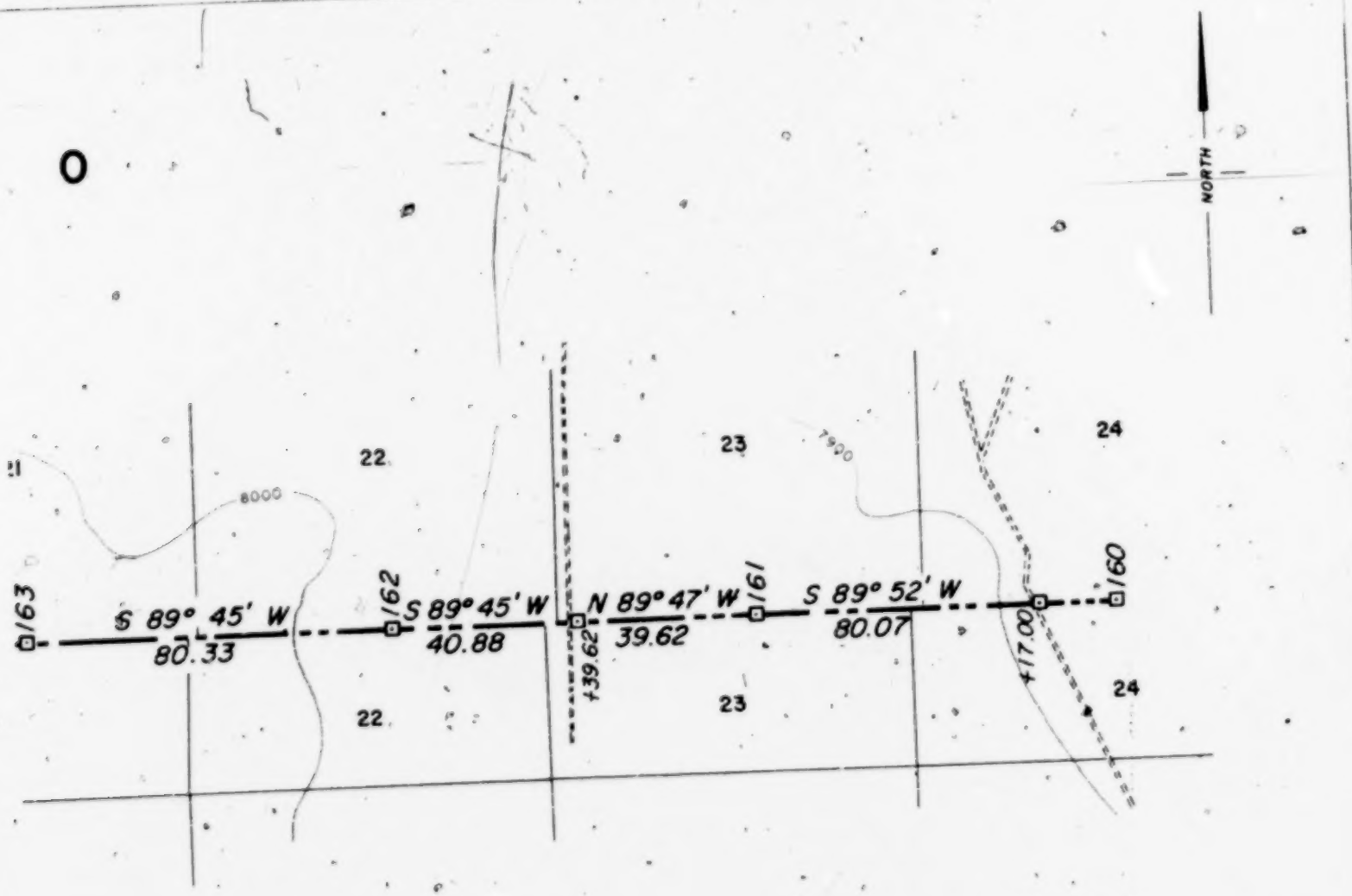
TAOS

N E W M E X I C O

SCALE

0 10 20 30 40 80

40 Chains to the inch



TAOS COUNTY

C O

COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925

Joseph C. Thoma

Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 168

to

MILE CORNER No. 176

THE DARLING LINE, 169TH MILE

Chains

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 N. 0.8 lks. to the parallel; the 169th Mi. Cor. has become obliterated.

160.48 N. 3.0 lks. to the parallel; thence the 170th Mi. Cor. bears S. 97.1 lks. dist.; on this determination the true line bears S. 89° 39′ W.

REESTABLISHMENT

Thence from the 168th Mi. Cor. S. 89° 39′ W., on a reestablishment of the 169th mile.

Ascend 11 ft. over gentle NE. slope, through sage brush.

7.90 Top of ascent; descend 152 ft. over NW. slope.

8.30 West rim of mesa, bears N. 50° E. and S. 70° W.

11.05 Denver and Rio Grande Western Railroad, curving N. 61¼° E. and S. 66¼° W.

38.60 Foot of descent; ascend 73 ft. over gradual NE. slope.

49.26 The Carpenter 163rd Mi. Cor. bears North, 30.46 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

75.88 Railroad state line marker, bears South, 15½ lks. dist.; a sandstone, 10x10x27 ins. above ground, firmly set.

76.33 Denver and Rio Grande Western Railroad, curving from NW. to SE.; elevation 8321 ft.

80.24 The proportional point; unable to identify Darling's 169th Mi. Cor.

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 169, 1868-1925, and build a mound of stone around the monument;

from which

A pinon, 4 ins. diam., bears N. 89¼° E., 96 lks. dist., mkd. COLO 169 M BT.

A pinon, 4 ins. diam., bears S. 43¾° W., 73 lks. dist., mkd. NM 169 M BT.

Land, rolling mountainous.

Soil, sandy, gravelly, stony loam; 3rd rate.

ains

THE DARLING LINE, 169TH MILE

Vegetation, sage brush and grass, with few scattering pinon at W. end of mile.

THE DARLING LINE, 170TH MILE

REESTABLISHMENT

S. 89° 39′ W., on a reestablishment of the 170th mile.

Ascend 120 ft. over gradual NE. slope, through scattering timber and undergrowth.

.29 The Carpenter 162nd Mi. Cor. bears North, 32.14 chs. dist.; an iron post, firmly set in ground and mound of stone: I remove this monument.

.00 Top of ascent; descend 13 ft. over NW. slope.

.00 Arroyo, course N. 60° E.; ascend 77 ft. over SE. slope.

.24 Darling's 170th Mi. Cor.; a basalt stone, 8x10x12 ins., lying near mound of stone, mkd. C. on one face and 68 on one face; a basalt stone, 7x8x12 ins., mkd. with a cross (+), 12 ins. below the surface.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 170, 1868-1925, and build a mound of stone around the monument.

Land, rolling mountainous.

Soil, sandy, gravelly, stony loam; 3rd rate.

Timber, scattering pinon; undergrowth, sage brush.

THE DARLING LINE, 171ST MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

7 N. 0.8 lks. to the parallel; thence the 171st Mi. Cor. bears S. 23.6 lks. dist.; on this determination the true line bears S. 89° 50′ W.

THE DARLING LINE, 171ST MILE

REESTABLISHMENT

Chains

Thence from the 170th Mi. Cor. S. 89° 50' W., on a reestablishment of the 171st mile.

Ascend 125 ft. over gradual NE. slope, through scattering sage brush.

40.20 Wagon trail, bears N. 55° E. and S. 55° W.

43.43 The closing cor. of secs. 19 and 20, T. 32 N., R. 8 E., New Mexico Prin. Mer., New Mexico, bears North, 83 lks. dist.; a sandstone, 7x12x14 ins., loosely set in mound of stone, marked with five notches on E., one notch on W., and NM CC on S. face.

49.35 The Carpenter 161st Mi. Cor. bears North, 32.65 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

51.00 Top of ascent; descend 40 ft. over NW. slope.

60.55 Arroyo, course N. 35° W.

68.30 Arroyo, course NE.; ascend 73 ft. over SE. slope.

80.27 Darling's 171st Mi. Cor.: a basalt stone, 4x5x7 ins., mkd. with a cross (+), 6 ins. below the surface, and under mound of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 20 ins. in the ground, with tablet seated in the top marked Mile Corner No. 171, 1868-1925, and build a mound of stone around the monument; reset original deposit stone by S. side of monument.

Land, rolling mountainous.

Soil, sandy, gravelly, stony loam; 3rd rate.

Vegetation, sage brush and grass.

THE DARLING LINE, 172ND MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.29 N. 0.8 lks. to the parallel; thence the point for the 172nd Mi. Cor. bears N. 8.6 lks. dist.; altitude observation on the sun for azimuth.

July 8, 1931; on this determination the true line bears N. 89° 56' W.

THE DARLING LINE, 172ND MILE

REESTABLISHMENT

Thence from the 171st Mi. Cor. N. 89° 56' W., on a reestablishment of the 172nd mile.

Ascend 133 ft. over NE. and along N. slopes, through sage brush.

1.55 Telephone and telegraph line, bears N. 28° 10' W. and S. 28° 10' E.

2.22 Denver and Rio Grande Western Railroad, bears N. 27° 23' W. and S. 27° 23' E.

2.55 Railroad state line marker, bears South, 5 lks. dist.; a sandstone, 9x9x32 ins. above ground, firmly set, mkd. C on N., NM on S., and with a cross (+) on top; thence along N. slope.

2.77 The closing cor. of Tps. 32 N., Rs. 7 and 8 E., New Mexico Prin. Mer., New Mexico; an iron post, 3 ins. diam., 12 ins. above ground, firmly set in ground and mound of stone, with brass cap marked and witnessed as described in the official record; thence descend 70 ft. along NW. slope.

3.06 The Carpenter 160th Mi. Cor. bears North, 32.82 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

5.00 Draw, drains N. 75° E.; ascend 63 ft. over SE. slope.

8.00 Top of ascent; descend 26 ft. over N. slope to corner.

8.54 Denver and Rio Grande Western Railroad bears N. 66¼° E. and S. 66¼° W.

9.04 South edge of railroad state line marker; a sandstone, 8x8x40 ins. above ground, firmly set, marked with a chiseled notch E. and W. on top.

9.29 The point for Darling's 172nd Mi. Cor.; determined by proportionate distance between 171st and 174th Mi. Cors. and at a point due West of the railroad state line marker for position in latitude; this point coincides with the point for the 172nd Mi. Cor., as shown on the plats of the railroad survey made in 1880; and is accepted by me as the best available evidence of the position for Darling's 172nd Mi. Cor.

At point for corner

Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner

Chains

THE DARLING LINE, 172ND MILE

No. 172, 1868-1925, elevation 8800 ft.:
from which
SE. cor. of frame house, bears N. 32° 55' E., 4.91 chs. dist.
SW. cor. of frame house, bears N. 24° 26' E., 6.31 chs. dist.; the are railroad houses at Big Horn station.
Land, rolling mountainous.
Soil, gravelly and stony loam and clay; 3rd rate.
Timber, very scattering pine; undergrowth, sage brush.

THE DARLING LINE, 173RD MILE

RETRACEMENT

Altitude observation on the sun for azimuth, July 8, 1931.
West, on a retracement of the Darling boundary, on a transit lin describing a tangent.

80.00 N. 0.8 lks. to the parallel; the 173rd Mi. Cor. has become obliterated

119.00 Altitude observation on the sun for azimuth, July 8, 1931.

160.58 N. 3.0 lks. to the parallel; thence the 174th Mi. Cor. bears S. 123. lks. dist.; on this determination the true line bears S. 89° 34' W.

REESTABLISHMENT

Thence from the 172nd Mi. Cor. S. 89° 34' W., on a reestablishment of the 173rd mile.
Ascend 67 ft. over gentle NE. slope, through sage brush.

0.50 Road from Antonito, Colo., bears N. 40¾° E. and S. 39° W.

3.45 Denver and Rio Grande Western Railroad in a curve from NE. t NW. to NE.

7.50 Same road, in a curve from SE. to NW.

19.90 Top of ascent; descend 20 ft. over NW. slope; enter scattering timber.

31.50 Same road, bears N. 75° E. and S. 75° W.

32.25 Arroyo, course N. 75° E.; ascend 115 ft. along S., N., and SE. slopes

38.97 Basalt boulder, in place, 10x6x4 ft. above ground, bears North, 6 lks. dist.

42.67 The closing cor. of secs. 23 and 24, T. 32 N., R. 7 E., New Mexico Prin. Mer., New Mexico; an iron post, 2 ins. diam., 9 ins. above

Chains

THE DARLING LINE, 173RD MILE

ground, firmly set in ground and mound of stone, with brass cap marked and witnessed as described in the official record.

45.56 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 172 + 45.56 Chs., 1868-1925:

from which

A pine, 24 ins. diam., bears S. 3½ E., 34 lks. dist., mkd. WP NM BT.

51.24 The Carpenter 159th Mi. Cor. bears North, 33.33 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

52.70 Gulch, course SE., from N. 85 W.; thence along N. slope.

60.30 Same gulch, course N. 70 E.; thence over SE. slope.

80.29 The proportional point; unable to identify Darling's 173rd Mi. Cor. Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 173, 1868-1925:

from which

Trimmed tree on Big Horn Peak, bears S. 31 16′ W., 53.34 chs. dist., vertical angle + 7 23′; position for United States Geological Survey triangulation station directly under this tree.

Geographic position as published:

North Latitude 36 59′ 11.77″
West Longitude 106 10′ 44.85″

A pine, 26 ins. diam., bears N. 87 W., 197 lks. dist., mkd. COLO 173 M BT.

Land, rolling mountainous.

Soil, gravelly and stony loam and clay; 3rd rate.

Timber, aspen clumps and scattering pine; undergrowth, sage brush.

THE DARLING LINE, 174TH MILE

REESTABLISHMENT

S. 89 34′ W., on a reestablishment of the 174th mile.

Descend 3 ft. along gentle S. slope, through scattering timber and undergrowth.

Chains THE DARLING LINE, 174TH MILE

5.00 Flat drain, course SE.; ascend 62 ft. over gentle SE. and E. slopes.

26.39 Telephone and telegraph line, bears N. 27° E. and S. 11° W.

26.81 Railroad state line marker, bears South, 3.2 lks. dist.; a sandston 9x9x45 ins. above ground, firmly set, marked with a chiseled notc E. and W. on top.

27.30 Denver and Rio Grande Western Railroad, curving N. 20° E. to NE and S. 5½° W. to SE.

28.58 Wagon trail, bears N. 18½° E. and S. 11° W.

33.70 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins in the ground, with tablet seated in the top marked Mile Corne No. 173 + 33.70 Chs., 1868-1925;

from which

A pine, 24 ins. diam., bear S. 40° W., 126 lks. dist., mkd. WP NM BT.

A pine, 27 ins. diam., bears N. 74¾° W., 166 lks. dist., mkd. WP COLO BT.

Monument stands on the divide between the Conejos and Los Pinos Rivers, bearing N. 50° W. and S. 30° E., elevation 9030 ft.; descend 210 ft. over W. slope.

42.64 The closing cor. of secs. 22 and 23, T. 32 N., R. 7 E., New Mexico Prin. Mer., New Mexico; an iron post, 2 ins. diam., 9 ins. above ground, firmly set in ground and mound of stone, with brass cap marked and witnessed as described in the official record.

51.02 The Carpenter 158th Mi. Cor. bears North, 34.10 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

54.50 Arroyo, in canon, course N. 5° E. turning to N. 15° W.; ascend 75 ft. over E. slope.

68.10 Crest of spur, slopes N. 35° E.; descend 33 ft. along N. slope.

80.29 Darling's 174th Mi. Cor.; a basalt stone, 14x13x6 ins. lying on ground, mkd. C., NM., 174 M, and 68 on opposite faces; a basalt stone, 10x9x6 ins., mkd. 174 M, 6 ins. below the surface;

from which

A rotted pine stump, 16 ins. diam., bears N. 68° E., 31 lks. dist.

A spruce stump, 20 ins. diam., bears S. 22° W., 78 lks. dist., mkd.

Chains

THE DARLING LINE, 174TH MILE

NM 174 M BT.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 174, 1868-1925; reset original stone by W. and original deposit by S. side of monument;

from which

A pine, 12 ins. diam., bears S. 38¼° E., 56 lks. dist., mkd. NM 174 M BT.

A pine, 16 ins. diam., bears N. 20½° W., 307 lks. dist., mkd. COLO 174 M BT.

Land, mountainous.

Soil, gravelly and stony loam; 2nd and 3rd rate.

Timber, scattering pine, spruce, and aspen; undergrowth, sage brush.

THE DARLING LINE, 175TH MILE

RETRACEMENT

Altitude observation on the sun for azimuth, July 15, 1931.

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.43 N. 0.8 lks. to the parallel; thence the 175th Mi. Cor. bears S. 99.1 lks. dist.; on this determination the true line bears S. 89° 18′ W.

REESTABLISHMENT

Thence from the 174th Mi. Cor. S. 89° 18′ W., on a reestablishment of the 175th mile.

Along a gentle N. slope, through timber and undergrowth.

1.80 Small canon, course N. 55° E.; ascend 136 ft. over steep E. slope.

15.90 Crest of ridge, bears N. 25° E. and S. 15° W.; descend 113 ft. over N. 70° W. slope.

28.35 Canon, course N. 20° E.; ascend 163 ft. over E. slope.

42.31 The closing cor. of secs. 21 and 22, T. 32 N., R. 7 E., New Mexico Prin. Mer., New Mexico; an iron post, 2 ins. diam., 9 ins. above ground, firmly set in ground and mound of stone, with brass cap marked and witnessed as described in the official record.

Chains THE DARLING LINE, 175TH MILE

43.10 Wagon road, bears N. 20° E. and S. 31½° W.

47.80 Crest of spur, slopes N. 50° E.; descend 50 ft. over NW. slope.

50.52 The Carpenter 157th Mi. Cor. bears North, 35.16 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

59.00 Canon, course N. 50° E.; ascend 34 ft. over SE. slope.

61.83 Beginning of Forest Service drift fence, bears N. 20° E., on small spur, and turns W. near line; descend 12 ft. over W. slope.

64.25 Head of draw, course N.; ascend 120 ft. over E. slope.

72.30 Crest of ridge, bears N. and S.; descend 46 ft. over NW. slope.

80.00 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked WC Mile Corner No. 175 + 0.44 Chs. E., 1868-1925;
from which
A pine, 8 ins. diam., bears S. 28¼° W., 84½ lks. dist., mkd. WC NM 175 M BT.
A pine, 19 ins. diam., bears N. 27° W., 26 lks. dist., mkd. WC COLO 175 M BT.

80.44 Darling's 175th Mi. Cor.; a spruce tree, 32 ins. diam., mkd. 175 M on E. face, blazes on each face.
Land, mountainous.
Soil, gravelly and stony loam; 2nd rate.
Timber, pine, spruce, and aspen; undergrowth, young timber and sage brush.

THE DARLING LINE, 176TH MILE

RETRACEMENT

Altitude observation on the sun for azimuth, July 16, 1931.
West, on a retracement of the Darling boundary, on a transit line describing a tangent.

79.72 N. 0.8 lks. to the parallel; thence the 176th Mi. Cor. bears S. 68.2 lks. dist.; on this determination the true line bears S. 89° 31' W.

THE DARLING LINE, 176TH MILE

REESTABLISHMENT

Thence from the 175th Mi. Cor. S. 89° 31' W., on a reestablishment of the 176th mile.

Descend 50 ft. over NW. slope, through timber; drift fence S., 39 lks. dist., follows near line.

6.00 Head of draw, course N. 75° E.; ascend 75 ft. over E. slope.

6.30 Crest of spur, slopes N. 55° E.; descend 20 ft. over NW. slope.

2.70 Head of draw, course NE.; ascend 142 ft. over SE. slope.

7.00 Drift fence crosses to N. of line; leave timber.

9.28 United States Geological Survey Bench Mark, bears South, 36.40 chs. dist.; a brass tablet marked and witnessed as described in the official record, elevation 9232.276 ft.; point on line is approximately 25 ft. below tablet.

.98 The closing cor. of secs. 20 and 21, T. 32 N., R. 7 E., New Mexico Prin. Mer., New Mexico; an iron post, 2 ins. diam., 9 ins. above ground, firmly set in ground and mound of stone, with brass cap marked and witnessed as described in the official record; elevation 9234 ft.

.10 Small spur, slopes N. 30° E.

.00 Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 175 + 46 Chs., 1868-1925, and build a mound of stone around the monument; crest of spur ridge, bears N. 30° E. and S. 30° W.; descend 14 ft. over gentle NW. slope.

55 Road from Conejos, Colorado, to Sublette, New Mexico, bears N. 55° E. and S. 35° W.

18 The Carpenter 156th Mi. Cor. bears North, 36.07 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

20 Enter timber, bears N. and S.; thence along swale at head of canon.

00 Foot of descent; ascend 70 ft. over gentle NE. slope.

72 Darling's 176th Mi. Cor.; a sandstone, 18x16x6 ins., lying on ground, mkd. C., NM., 176 M, and 68 on opposite faces;

Chains THE DARLING LINE, 176TH MILE

from which

An Engelmann spruce, 29 ins. diam., bears N. 75° E., 31 lks. dist., with blaze overgrown.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 176, 1868-1925, and build a mound of stone around the monument;

from which

A white spruce, 17 ins. diam., bears N. 1° E., 36 lks. dist., mkd. COLO 176 M BT.

A white spruce, 10 ins. diam., bears S. 27¼° W., 24 lks. dist., mkd. NM 176 M BT.

Land, rolling mountainous.

Soil, gravelly and stony loam and clay; 2nd and 3rd rate.

Timber, pine, spruce, and aspen; undergrowth, sage brush.

C O L O R A D O

CONEJOS COUNTY

RIO GRANDE NATIONAL FOREST

To Conejos

T.32 N.,R.7 E.

T.32 N.,R.8 E.

DENVER & RIO GRANDE WESTERN RR

Big Horn

20 21 22 23 24 19

176 S 89° 31' W 79.72 WC 175+0.44E. S 89° 18' W 60.44 174 S 89° 34' W 80.29 173 S 89° 34' W 80.29 172 N 89° 56' W 80.29 171 S 89° 50' W 80.27

+46.00 +33.70 +45.56

BM 9232.276 USC & GS

△ BIG HORN
LATITUDE 36°59' 11.77" N
LONGITUDE 106°10' 44.85" W

CARSON NATIONAL FOREST

T.32 N.,R.7 E.

T.32 N.,R.8 E.

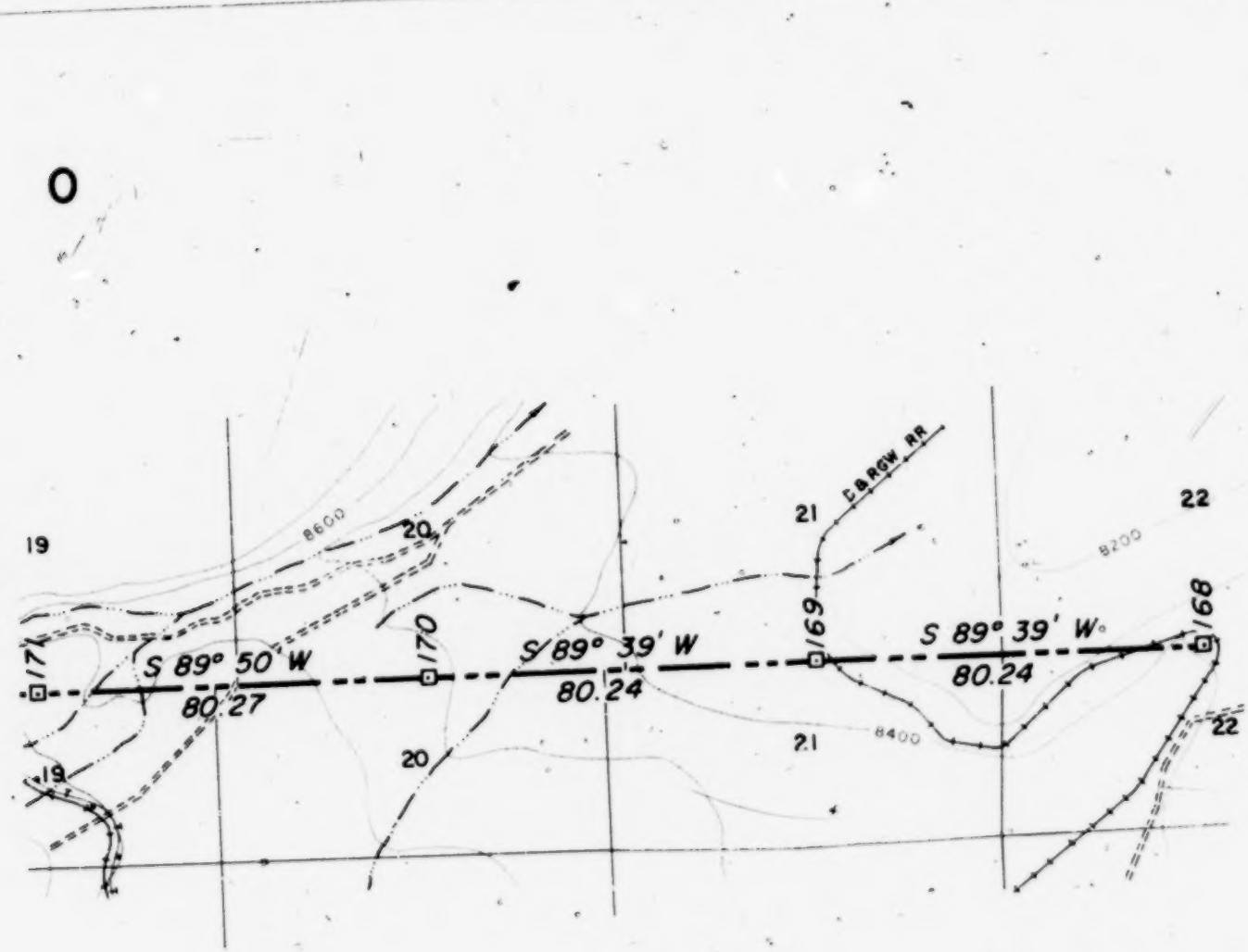
RIO ARRIBA COUNTY

N E W M E X I C O

SCALE

0 10 20 30 40 80

40 Chains to the inch



COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925

Joseph C. Thoma
Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 176

to

MILE CORNER No. 184

THE DARLING LINE, 177TH MILE

Chains

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.06 N. 0.8 lks. to the parallel; thence the 177th Mi. Cor. bears S. 24.6 lks. dist.; on this determination the true line bears S. 89° 49′ W.

REESTABLISHMENT

Thence from the 176th Mi. Cor. S. 89° 49′ W., on a reestablishment of the 177th mile.

Ascend 390 ft. over E. slope, through timber and undergrowth; drift fence N., 28 lks. dist., follows near line.

17.00 Drift fence crosses to S. of line.

39.00 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 176 + 39 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A spruce, 46 ins. diam., bears S. 8¾° W., 221 lks. dist., mkd. WP NM BT.

Monument stands by road from Sublette, New Mexico, to Osier, Colorado.

42.32 The closing cor. of secs. 19 and 20, T. 32 N., R. 7 E., New Mexico Prin. Mer., New Mexico; an iron post, 2 ins. diam., 12 ins. above ground, firmly set in ground and mound of stone, with brass cap marked and witnessed as described in the official record.

49.52 The Carpenter 155th Mi. Cor. bears North, 36.67 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

80.06 Darling's 177th Mi. Cor.; a sandstone, 20x12x8 ins., lying on mound of earth, no marks; a sandstone, 9x6x3 ins., mkd. 177, 6 ins. below the surface; pits E. and W. of stone 9½ lks. dist.;

from the stone

A fir stump, 22 ins. diam., bears S. 55° E., 47 lks. dist., with fragments of BT.

A fir stump, 26 ins. diam., bears N. 13° W., 28 lks. dist., with burnt out blaze.

Chains

THE DARLING LINE, 177TH MILE

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 177, 1868-1925, and build a mound of stone around the monument; reset original stone by W. and original deposit by S. side of monument;

from which

A spruce, 14 ins. diam., bears S. 30½° W., 59 lks. dist., mkd. NM 177 M BT.

A spruce, 11 ins. diam., bears N. 32° W., 107 lks. dist., mkd. COLO 177 M BT.

Land, rolling mountainous.

Soil, sandy, gravelly, stony loam; 2nd rate.

Timber, pine, spruce, and aspen; undergrowth, sage brush.

THE DARLING LINE, 178TH MILE

RETRACEMENT

Altitude observation on the sun for azimuth, July 17, 1931.

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.03 N. 0.8 lks. to the parallel; thence the 178th Mi. Cor. bears S. 16.4 lks. dist.; on this determination the true line bears S. 89° 53′ W.

REESTABLISHMENT

Thence from the 177th Mi. Cor. S. 89° 53′ W., on a reestablishment of the 178th mile.

Ascend 257 ft. over E. and along S. slopes, through timber and undergrowth.

9.00 Leave timber, bears NE. and SW.

26.00 Enter timber, bears N. 60° W. and S. 60° E.

40.53 The closing cor. of Tps. 32 N., Rs. 6 and 7 E., New Mexico Prin. Mer., New Mexico; an iron post, 3 ins. diam., 10 ins. above ground, firmly set in ground and mound of stone, with brass cap marked and witnessed as described in the official record.

Chains

THE DARLING LINE, 178TH MILE

49.23 The Carpenter 154th Mi. Cor. bears North, 37.01 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

Divide between the Conejos and Los Pinos Rivers, bears N. 60° W. and S. 60° E.; thence ascend along gentle S. slope.

80.03 Darling's 178th Mi. Cor.; a sandstone, 16x13x8 ins., lying on mound of earth and stone, no marks; a sandstone, 10x10x3 ins., mkd. 178 M, 6 ins. below the surface; pits E. and W. of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 178, 1868-1925, and build a mound of stone around the monument;

from which

An aspen, 10 ins. diam., bears S. 5° E., 36½ lks. dist., mkd. NM 178 M BT.

An aspen, 9 ins. diam., bears N. 23½° W., 128 lks. dist., mkd. COLO 178 M BT.

Land, rolling mountainous.

Soil, gravelly and stony loam and clay; 2nd rate.

Timber, pine, spruce, and aspen; undergrowth, young timber.

THE DARLING LINE, 179TH MILE

RETRACEMENT

Altitude observation on the sun for azimuth, July 23, 1931.

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.14 N. 0.8 lks. to the parallel; thence the 179th Mi. Cor. bears N. 8.2 lks. dist.; on this determination the true line bears N. 89° 56' W.

REESTABLISHMENT

Thence from the 178th Mi. Cor. N. 89° 56' W., on a reestablishment of the 179th mile.

Ascend 138 ft. over S. slope, through timber and undergrowth.

28.25 Divide between Sublette and Toltec creeks, bears N. and S.

Chains

THE DARLING LINE, 179TH MILE

49.24 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 178 + 49.24 Chs., 1868-1925, and build a mound of stone around the monument;
from which
An aspen, 5 ins. diam., bears S. 8° W., 65 lks. dist., mkd. WP NM BT.
An aspen, 5 ins. diam., bears N. 77° W., 62 lks. dist., mkd. WP COLO BT.
Thence descend 409 ft. over SW. slope.

50.23 The Carpenter 153rd Mi. Cor. bears North, 37.18 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

51.04 Slope becomes steep.

80.14 Darling's 179th Mi. Cor.; a mound of stone, none marked;
from which
A spruce, 23 ins. diam., bears N. 3° E., 24 lks. dist., mkd. BT.
A pine stump, 12 ins. diam., bears S. 13° E., 34 lks. dist., mkd. BT.
In place of mound
Construct a concrete monument, in a form 8x11x18 ins., standing above ground, set in a concrete base, top level with ground surface, with tablet seated in the top marked Mile Corner No. 179, 1868-1925, and build a mound of stone around the monument;
from which
A pine, 24 ins. diam., bears S. 22° W., 33 lks. dist., mkd. NM 179 M BT.
A spruce, 16 ins. diam., bears N. 34° W., 86 lks. dist., mkd. COLO 179 M BT.
Land, rolling and broken mountainous.
Soil, sandy, gravelly and stony loam and clay; 3rd rate.
Timber, pine, spruce, and aspen; undergrowth, young timber.

THE DARLING LINE, 180TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

Chains THE DARLING LINE, 180TH MILE

79.22 N. 0.8 lks. to the parallel; thence the 180th Mi. Cor. bears S. 5.5 lks. dist.; on this determination the true line bears S. 89° 58' W.

REESTABLISHMENT

Thence from the 179th Mi. Cor. S. 89° 58' W., on a reestablishment of the 180th mile.

Descend 59 ft. over SW. slope, through timber and undergrowth.

8.00 Foot of descent, near head of draw; ascend 85 ft. over SE. slope.

13.45 Crest of spur, slopes S. 10° W.; descend 724 ft. over W. slope.

23.30 Construct a concrete monument, in a form 8x14x56 ins., set 18 ins. in the ground, with tablet seated in the top marked Mile Corner No. 179 + 23.30 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A balsam, 7 ins. diam., bears S. 65½° E., 99 lks. dist., mkd. WP NM BT.

A pine, 10 ins. diam., bears N. 70° W., 188 lks. dist., mkd. WP COLO BT.

23.80 Denver and Rio Grande Western Railroad, bears S. 26° E. and N. 20½° W., curving to NE.

24.03 Railroad state line marker, bears North, 13 lks. dist.; a sandstone, 9x9x30 ins. above ground, firmly set, marked with a chiseled notch E. and W. on top.

34.98 The Carpenter 152.2 Mi. Cor. bears North, 37.24 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the bearing tree.

45.25 Trail, bears NW. and SE.

50.47 Toltec Creek, 5 lks. wide, 6 ins. deep, course S. 20° E.; ascend 842 ft. over E. slope.

71.24 Denver and Rio Grande Western Railroad, bears N. 24° 37' E. and S. 24° 37' W.

[illegible]9 Railroad state line marker, bears North, 11 lks. dist.; a sandstone, 10x10x30 ins. above ground, firmly set, marked with chiseled notch NE. and SW. on top.

77.10 Rim rock on W. rim of Toltec Canon, bears N. 25° E. and S. 10° W.

Chains

THE DARLING LINE, 180TH MILE

79.22 Darling's 180th Mi. Cor.; a basalt stone, 23x8x7 ins., lying on mound of earth, no marks; a basalt stone, 6x6x3 ins., mkd. 180, 6 ins. below the surface; pits E. and W. of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 180, 1868-1925, and build a mound of stone around the monument; reset original stone by W. and deposit by S. of monument; from which

A balsam, 5 ins. diam., bears N. 81¼° E., 81 lks. dist., mkd. COLO 180 M BT.

A balsam, 9 ins. diam., bears S. 36¾° E., 169 lks. dist., mkd. NM 180 M BT.

Land, broken mountainous.

Soil, gravelly and stony loam and clay; 3rd rate.

Timber, pine, spruce, balsam, and aspen; undergrowth, young timber.

THE DARLING LINE, 181ST MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 The 181st Mi. Cor. was not established by Darling; point falls on steep W. slope in slide, continue distance.

129.39 N. 2.1 lks. to the parallel; thence the Darling Astronomical Monument No. 6 bears S. 56.6 lks. dist.; altitude observation on the sun for azimuth, July 29, 1931; on this determination the true line bears S. 89° 45′ W.

RETRACEMENT

Altitude observation on the sun for azimuth, July 29, 1931.

West, continuing on a retracement of the Darling boundary, on a transit line describing a tangent.

30.67 N. 0.1 lks. to the parallel; thence the 182nd Mi. Cor. bears S. 15.1 lks. dist.; on this determination the true line bears S. 89° 43′ W.

REESTABLISHMENT

Thence from the 180th Mi. Cor. S. 89° 45′ W., on a reestablishment of the 181st mile.

Chains THE DARLING LINE, 181ST MILE

Ascend 200 ft. over E. slope, through timber.

37.00 Crest of mountain spur ridge, bears N. and S.; descend 100 ft. over SW. slope.

53.16 The Carpenter 151st Mi. Cor. bears North, 37.79 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

54.60 Rim of canon, bears N. 75° W. and S. 40° E.; ascend 150 ft. along steep S. slope.

66.70 Rim of canon, bears N. 70° E. and S. 40° W.

71.20 Bare surface rock near rim of canon; set tablet in rock marked Mile Corner No. 180 + 71.20 Chs., 1868-1925;

from which

A Douglas fir, 17 ins. diam., bears S. 17½° W., 34 lks. dist., mkd. WP NM BT.

A spruce, 5 ins. diam., bears N. 36¼° W., 22 lks. dist., mkd. WP COLO BT.

71.90 Top of rim rock, 20 ft. high, bears NW. and SE.; descend 208 ft. over steep SW. slope.

80.20 Set a sandstone, 28x16x10 ins., in concrete base, 20 ins. in the ground, with tablet seated in top of stone marked WC Mile Corner No. 181 + 0.23 Chs. E., 1868-1925, and build a mound of stone around the monument;

from which

A Douglas fir, 7 ins. diam., bears S. 75° E., 12 lks. dist., mkd. WC NM 181 M BT.

South trunk of a double Douglas fir, 5 ins. diam., bears N. 29½° W., 16 lks. dist., mkd. WC COLO 181 M BT.

80.44 The proportional point; the 181st Mi. Cor. was not established by Darling; point falls on steep slide; impracticable to establish cor.

Land, broken mountainous.

Soil, gravelly and stony loam and clay; 3rd rate.

Timber, pine, spruce, fir, and aspen; undergrowth, young timber.

THE DARLING LINE, 182ND MILE

REESTABLISHMENT

Chains

S. 89° 45' W., on a reestablishment of the 182nd mile.

Descend 160 ft. over steep SW. slope; through scattering timber in slide.

3.40 Gulch, course S.; ascend 220 ft. over slide rock and cliff facing E.

5.50 Top of ascent; descend 600 ft. over steep SW. slope.

18.00 Leave timber, bears NW. and SE.

19.50 Railroad state line marker, bears South, 36 lks. dist.; a sandstone, 9x9x44 ins. above ground, firmly set.

19.56 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 181 + 19.56 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A spruce, 9 ins. diam., bears N. 7° 37' E., 275 lks. dist.; mkd. WP COLO BT.

A spruce, 13 ins. diam., bears S. 68¼° E., 265 lks. dist., mkd. WP NM BT.

20.27 Denver and Rio Grande Western Railroad, bears N. 55¼° W. and S. 55¼° E., curving.

21.00 Telephone and telegraph line, bears N. 54° W. and S. 54° E.

26.12 The closing cor. of secs. 20 and 21, T. 32 N., R. 6 E., New Mexico Prin. Mer., Colorado, bears North, 45.5 lks. dist.; a sandstone, 24x16x8 ins. above ground, firmly set, marked with four notches on E., two notches on W.; and CC on N. face.

40.85 Left bank of the Los Pinos River, bears N. 55° W. and S. 55° E., general course S. 55° E.

43.65 Right bank of river; ascend 12 ft. over NE. slope.

46.36 The Carpenter 150.087 Mi. Cor. bears North, 38.16 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

48.96 Darling's Astronomical Monument No. 6; a broken sandstone; several pieces of stone were broken off (Carpenter 151st Mi.); the pieces were found and replaced and the total dimensions of stone found to be 10x12x42 ins., bottom piece firmly set in ground and

Chains THE DARLING LINE, 182ND MILE

mound of earth and stone: I took a picture of rebuilt stone before removing.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 181 + 48.96 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A spruce, 11 ins. diam., bears S. 24° W., 231 lks. dist., mkd. WP NM BT.

A spruce, 6 ins. diam., bears N. 61¼° W., 192 lks. dist., mkd. WP COLO BT.

REESTABLISHMENT

Thence from Darling's Astronomical Monument No. 6, as reconstructed, S. 89° 43′ W., continuing on the reestablishment of the 182nd mile, with new measurement.

Ascend 462 ft. over steep NE. slope, through scattering timber.

5.57 Wire fence, bears NE. and SW.; enter dense timber.

18.90 Leave dense, enter scattering timber.

21.10 Crest of spur, slopes N. 10° W.; descend 85 ft. over NW. slope.

27.05 Draw, course N. 10° W.; ascend 15 ft. over NE. slope.

30.67 Darling's 182nd Mi. Cor.; a broken basalt stone, remaining dimensions 13x7x6 ins., lying on a mound of earth and stone, mkd. C., N., 182, and 68 on opposite faces; a basalt stone, 8x5x1 ins., mkd. 182 M, 12 ins. below the surface; pits E. and W. of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 182, 1868-1925, and build a mound of stone around the monument; reset original stone by W. and original deposit by S. side of monument;

from which

East trunk of double spruce, 5 ins. diam., bears S. 1¼° W., 219 lks. dist., mkd. NM 182 M BT.

A spruce, 12 ins. diam., bears N. 75¾° W., 257 lks. dist., mkd. COLO 182 M BT.

Chains

THE DARLING LINE, 182ND MILE

Land, broken mountainous.
Soil, gravelly and stony loam and clay; 2nd and 3rd rate.
Timber, pine, spruce, fir, and aspen; undergrowth young timber and bunch grass.

THE DARLING LINE, 183RD MILE

RETRACEMENT

Altitude observation on the sun for azimuth, July 29, 1931.
West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.33 N. 0.8 lks. to the parallel; thence the 183rd Mi. Cor., lying on ground, bears S. 18½ lks. dist.

160.66 N. 3.0 lks. to the parallel; thence the 184th Mi. Cor. bears S. 37.0 lks. dist.; on this determination the true line bears S. 89° 52′ W.

REESTABLISHMENT

Thence from the 182nd Mi. Cor. S. 89° 52′ W., on a reestablishment of the 183rd mile.
Ascend 54 ft. over NE. slope, through timber.

8.35 Crest of spur, slopes N. 10° W.; descend 242 ft. over NW. slope.

16.32 Fence cor., fences N. and E.

17.88 Trail, bears N. 25° E. and S. 18° W.

23.24 The closing cor. of secs. 19 and 20, T. 32 N., R. 6 E., New Mexico Prin. Mer., Colorado, bears North, 31 lks. dist.; a basalt stone, 14x12x5 ins., above ground, firmly set, marked with five notches on E., one notch on W., and CC on N.; mound of stone N., 5 lks. dist.

26.30 Hillside draw, drains NW.

30.00 Leave timber, bears NE. and S.

32.10 Creek, 10 lks. wide, 6 ins. deep, course N. 35° E.; ascend 236 ft. over SE. slope.

44.20 Crest of spur, slopes S. 20° E.; descend 27 ft. over SW. slope.

53.25 Draw, course S. 55° E.; ascend 156 ft. over NE. and S. slopes.

Chains THE DARLING LINE, 1st 3D MILE

54.00 The Carpenter 149th Mi. Cor. bears North, 38.75 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

60.00 Enter timber, bears NE. and SW.

67.25 Spur ridge, bears NW. and SE.; thence along S. slope.

80.33 Darling's 183rd Mi. Cor.; a sandstone, 16x12x7 ins., lying on ground, mkd. C., NM., 183 M, and 68 on opposite faces.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 183, 1868-1925; reset original stone by W. side of monument; from which

A spruce, 17 ins. diam., bears N. 63° 39′ E., 409 lks. dist., mkd. COLO 183 M BT.

West trunk of double spruce, 17 ins. diam., bears S. 40° 52′ E., 489 lks. dist., mkd. NM 183 M BT.

Land, broken mountainous.

Soil, gravelly and stony loam and clay; 2nd and 3rd rate.

Timber, spruce and aspen.

THE DARLING LINE, 184TH MILE

REESTABLISHMENT

S. 89° 52′ W., on a reestablishment of the 184th mile.

Ascend 210 ft. over S. slope, through scattering timber.

19.15 Spur, slopes S. 60° E.

36.30 Enter dense timber, bears N. and S.

47.80 Leave dense, enter scattering timber.

54.08 The Carpenter 148th Mi. Cor. bears North, 39.16 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

59.75 Divide between two branches of the Los Pinos River, bears N. 30° E. and S. 30° W.; descend 207 ft. over W. slope.

80.33 Darling's 184th Mi. Cor.; a sandstone, 20x10x8 ins., firmly set in mound of earth and stone, mkd. C on N., NM on S., 68 on W.

chains THE DARLING LINE, 184TH MILE

and 184 M on E. face; a sandstone, 12x7x3 ins., mkd. 184 M, 12 ins. below the surface.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 184, 1868-1925, and build a mound of stone around the monument; reset original stone W., and original deposit S. of monument;

from which

A spruce, 8 ins. diam., bears N. 28½ E., 17 lks. dist., mkd. COLO 184 M BT.

An Engelmann spruce, 19 ins. diam., bears S. 40 E., 12 lks. dist., mkd. NM 184 M BT.

Land, broken, mountainous.

Soil, gravelly and stony loam and clay; 3rd rate.

Timber, spruce and aspen; undergrowth, young timber.

C O L O R A D O

CONEJOS COUNTY

RIO GRANDE NATIONAL FOREST

Section House

T. 32 N., R. 5 E.

T. 32 N., R. 6 E.

24 19 20 21 22 23

Los Pinos River

Denver & Rio Grande Western RR

WC 181 +023E.

+19.56

+71.20

+23.80

184 S 89° 52' W 80.33 183 S 89° 52' W 80.33 182 S 89° 43' W 30.67 S 89° 45' W 48.96 S 89° 45' W 80.44 180 S 89° 58' W 79.22 179 N 89° 5

ASTRONOMICAL MON. No. 6

CARSON NATIONAL FOREST

Toltec Gorge

Toltec Creek

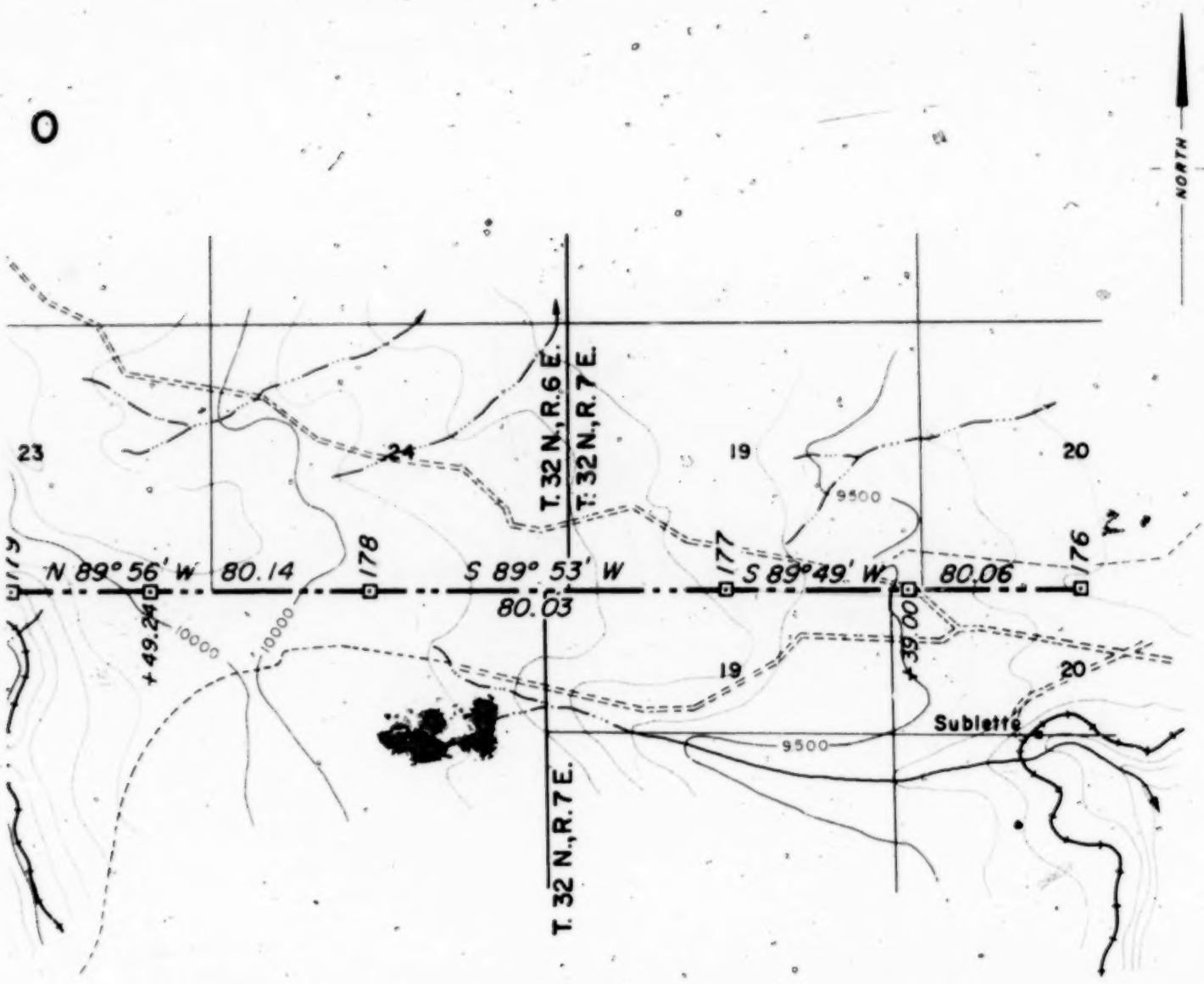
RIO ARRIBA COUNTY

N E W M E X I C

SCALE

0 10 20 30 40 80

40 Chains to the inch



COLORADO AND NEW MEXICO BOUNDARY.

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D. Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925

Joseph C. Thomas

Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 184

to

MILE CORNER No. 194

THE DARLING LINE, 185TH MILE

Chains

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit lin describing a tangent.

78.81 N. 0.8 lks. to the parallel; thence the 185th Mi. Cor. bears S. 24. lks. dist.; on this determination the true line bears S. 89° 49' W.

REESTABLISHMENT

Thence from the 184th Mi. Cor. S. 89° 49' W., on a reestablishmen of the 185th mile.

Descend 3 ft. over NW. slope, through timber.

0.38 Creek, 12 lks. wide, 6 ins. deep, course N. 10° E.; leave timber ascend 293 ft. over steep E. slope.

7.60 Rim rock, 10 ft. high, bears NE. and SW.

8.90 Crest of round knoll; descend 44 ft. along S. slope.

15.00 Foot of descent.

19.10 Enter timber, bears N. and S. 80° E.

20.00 Begin ascent of 325 ft. over SE. and E. slopes.

34.95 Leave timber, bears N. and S.; enter scattering aspen clumps.

44.90 Crest of spur, slopes NE.

53.73 Enter scattering timber; the Carpenter 147th Mi. Cor. bears North 39.33 chs. dist.; an iron post, firmly set in ground and mound o earth; I remove this monument.

55.00 Slope changes to E.

74.00 Top of ascent; descend 19 ft. over W. slope.

78.81 Darling's 185th Mi. Cor.; a sandstone, 10x7x7 ins., set in moun of stone, 2½ ft. high, mkd. C on N., NM on S., 68 on W., an 185 M on E. face; a sandstone, 11x5x2 ins., mkd. 185 M, 12 ins below the surface;

from which

A spruce, 18 ins. diam., bears N. 58° E., 9 lks. dist.

A fallen fir, 14 ins. diam., bears S. 58° W., 11 lks. dist.; both tree have old blaze with marks chopped out (Carpenter 151st Mi.)

Chains

THE DARLING LINE, 185TH MILE

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 185, 1868-1925, and build a mound of stone around the monument; reset original stone by W. and original deposit by S. side of monument;

from which

A spruce, 17 ins. diam., bears N. 40° E., 14 lks. dist., mkd. COLO 185 M BT.

A spruce, 14 ins. diam., bears S. 48° E., 15½ lks. dist., mkd. NM 185 M BT.

Land, broken and rolling mountainous.

Soil, gravelly and stony loam and clay; 3rd rate.

Timber, spruce and aspen; undergrowth, young timber.

THE DARLING LINE, 186TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.33 N. 0.8 lks. to the parallel; thence the 186th Mi. Cor. bears N. 36.8 lks. dist.; altitude observation on the sun for azimuth, August 10, 1931; on this determination the true line bears N. 89° 44' W.

REESTABLISHMENT

Thence from the 185th Mi. Cor. N. 89° 44' W., on a reestablishment of the 186th mile.

Descend 3 ft. over W. slope, through timber.

3.00 Small stream, course N.; ascend 71 ft. over E. slope.

4.00 Timber becomes scattering.

8.40 Crest of mountain, bears N. and S.; descend 715 ft. along steep N. slope and over steep NW. slope.

19.10 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 185 + 19.10 Chs., 1868-1925, and build a mound of stone around the monument;

Chains THE DARLING LINE, 186TH MILE

from which
A spruce, 5 ins. diam., bears N. 47¼° E., 125 lks. dist., mkd. WP COLO BT.
A spruce, 7 ins. diam., bears S. 27° 50' W., 291 lks. dist., mkd. WP NM BT.
Osier water tower, bears N. 67° 29' E.
Thence descend steep NW. slope.

54.91 The Carpenter 146th Mi. Cor. bears North, 39.41 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

62.50 Leave timber, bears N. and S.

75.00 Apache Creek, 20 lks. wide, 6 ins. deep, course N. 20° E.; ascend 90 ft. over E. slope.

80.33 Darling's 186th Mi. Cor.: a broken basalt stone, remaining dimensions 13x12x4 ins., lying on mound of stone, mkd. C. and M. on opposite faces and 186 M on one face; a sandstone, 11x7x5 ins., mkd. 186 M, 12 ins. below the surface;
from which
A fallen dead spruce, 22 ins. diam., bears N. 37° E., 27 lks. dist.
A small peak, bears N. 50° W., about 20 chs. dist.
A small peak, bears N. 5° W., about 15 chs. dist.
High point, bears N. 30° E., about 1¾ mi. dist.
High point, bears N. 58° 55' E., about 2 mi. dist.
High point, bears S. 4° E., about 1 mi. dist.
Point of mountain ridge, bears S. 54° W., about 1 mi. dist.
In place of stone
Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 186, 1868-1925, and build a mound of stone around the monument; reset original stone by W. and original deposit by S. side of monument;
from which
A spruce, 11 ins. diam., bears S. 17° 25' E., 471 lks. dist., mkd. NM 186 M BT.
Land, mountainous.
Soil, sandy, gravelly, stony loam and clay; 3rd rate.
Timber, spruce and aspen.

The Darling Line, 187th Mile

Chains

RETRACEMENT

Altitude observation on the sun for azimuth, August 10, 1931. West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.02 N. 0.8 lks. to the parallel; thence the 187th Mi. Cor. bears S. 30.8 lks. dist.; altitude observation on the sun for azimuth, August 12, 1931; on this determination the true line bears S. 89° 47′ W.

REESTABLISHMENT

Thence from the 186th Mi. Cor. S. 89° 47′ W., on a reestablishment of the 187th mile.

Ascend 518 ft. over E. slope, through open park.

17.30 Enter timber, bears S. and NE.

20.06 The closing cor. of secs. 21 and 22, T. 32 N., R. 5 E., New Mexico Prin. Mer., Colorado bears South, 87 lks. dist.; a sandstone, 16x13x12 ins., loosely set, marked with three notches on E. and W. and CC on N face; witness mound of stone to N.

45.00 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 186 + 45 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A spruce, 13 ins. diam., bears S. 41¼° W., 412 lks. dist., mkd. WP NM BT.

A spruce, 13 ins. diam., bears N. 77° W., 405 lks. dist., mkd. WP COLO BT.

Monument stands on divide between Apache and Arkansas Creeks, bearing N. 20° E. and S. 20° W.; thence continue ascent along N. slope.

54.58 The Carpenter 145th Mi. Cor. bears North, 39.47 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees; top of ascent; descend 395 ft. over NW. slope.

75.30 Leave timber, bears NE. and SW.

77.00 Arkansas Creek, 6 lks. wide, 3 ins. deep, course N. 35° E.; ascend 26 ft. over SE. slope.

Chains

THE DARLING LINE, 187TH MILE

80.02 Darling's 187th Mi. Cor.; a sandstone, 12x12x7 ins., lying on mou of earth, mkd. C., M., 68, and 187 M on opposite faces; a san stone, 7x5x4 ins., mkd. 187 M, 18 ins. below the surface; pits and W. of stone.

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 in in the ground, with tablet seated in the top marked Mile Corn No. 187, 1868-1925, and build a mound of stone around the mon ment;

from which

A spruce, 13 ins. diam., bears S. 79 50' W., 479 lks. dist., mk NM 187 M, BT.

A spruce, 16 ins. diam., bears N. 82¼ W., 430 lks. dist., mk COLO 187 M BT.

Land, broken mountainous.

Soil, sandy, gravelly, and stony loam and clay; 3rd rate.

Timber, spruce and aspen.

THE DARLING LINE, 188TH MILE

RETRACEMENT

Altitude observation on the sun for azimuth, August 12, 1931.

West, on a retracement of the Darling boundary, on a transit lin describing a tangent.

80.19 N. 0.8 lks. to the parallel; thence the 188th Mi. Cor. bears S. 53. lks. dist.; on this determination the true line bears S. 89 37' W.

REESTABLISHMENT

Thence from the 187th Mi. Cor. S. 89 37' W., on a reestablishmen of the 188th mile.

Ascend 424 ft. over SE. slope, through open park.

4.10 Enter timber, bears NE. and SW.

25.40 Divide between Arkansas and Dixie Creeks, bears N. 13 E. and SW

27.10 Construct a concrete monument, in a form 8x14x36 ins., set 20 ins in the ground, with tablet seated in the top marked Mile Corne No. 187 + 27.10 Chs., 1868-1925, and build a mound of ston around the monument;

Chains THE DARLING LINE, 188TH MILE

from which

A balsam, 8 ins. diam., bears N. 44¼ E., 79 lks. dist., mkd. WP COLO BT.

A balsam, 11 ins. diam., bears S. 73½ E., 86 lks. dist., mkd. WP NM BT.

Monument stands at top of ascent; descend 165 ft. over NW. slope.

41.65 Draw, drains N. 25 W.; ascend 56 ft. over NE. slope.

53.80 Top of ascent; thence along N. slope.

54.81 The Carpenter 144th Mi. Cor. bears North, 40.34 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument.

57.70 Descend 230 ft. over NW. slope.

71.70 Small stream, course N. 30 W.; ascend 15 ft. over NE. slope.

75.30 Top of ascent; descend 60 ft. over NW. slope.

80.19 Darling's 188th Mi. Cor.; a volcanic stone, 12x8x2 ins., mkd. 188 M, 12 ins. below the surface in a mound of earth; pits E. and W. of stone;

from which

A spruce, 27 ins. diam., bears N. 9½ W., 191 lks. dist.; I chopped overgrowth from scribe mark M and counted 63 annual rings.

A basalt stone, 16x12x12 ins., lying on ground, mkd. 188, C., and NM. on opposite faces was found approximately NW., 3 chs. dist.; this stone was set from the Darling bearing tree in 1897 by Edwin H. Kellogg, U. S. Deputy Surveyor, while closing the line between secs. 19 and 20, T. 32 N., R. 5 E., New Mexico Prin. Mer., Colorado, and removed by Carpenter (Carpenter 151st Mi.).

In place of stone

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 188, 1868-1925, and build a mound of stone around the monument; reset original deposit S. of monument;

from which

A balsam, 7 ins. diam., bears S. 64¼ E., 85 lks. dist., mkd. NM 188 M BT.

A spruce, 45 ins. diam., bears N. 73¼ W., 150 lks. dist., mkd. COLO 188 M BT.

Chains THE DARLING LINE, 188TH MILE

Land, mountainous.
Soil, sandy, gravelly, stony loam and clay; 3rd rate.
Timber, balsam, spruce, and aspen.

THE DARLING LINE, 189TH MILE

RETRACEMENT

Altitude observation on the sun for azimuth, August 13, 1931.
West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 The 189th Mi. Cor. was not established by Darling; point falls on steep rocky W. slope, continue distance.

160.00 N. 3.0 lks. to the parallel; the 190th Mi. Cor. has become obliterated.

240.39 N. 6.8 lks. to the parallel; thence the position for the 191st Mi. Cor. bears S. 20.2 lks. dist.; on this determination the true line bears S. 89° 57′ W.

REESTABLISHMENT

Thence from the 188th Mi. Cor. S. 89° 57′ W., on a reestablishment of the 189th mile.
Descend 61 ft. over NW. slope, through scattering timber.

7.55 Dixie Creek, 4 lks. wide, 3 ins. deep, course N. 49° E.; ascend 232 ft. over SE. slope.

19.62 The closing cor. of secs. 19 and 20, T. 32 N., R. 5 E., New Mexico Prin. Mer., Colorado, bears North, 3 lks. dist.; a sandstone, 16x8x8 ins., marked with five notches on E., one on W., and C on N. face; witness mound of stone to N.

28.60 Point of spur, slopes SE.; descend 67 ft. over SW. slope.

38.67 Small stream, course SE.; ascend 142 ft. over broken NE. slope.

54.31 The Carpenter 143rd Mi. Cor. bears North, 40.90 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

57.00 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner

Chains

THE DARLING LINE, 189TH MILE

No. 188 + 57 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A spruce, 14 ins. diam., bears N. 43° E., 243 lks. dist., mkd. WP COLO BT.

A spruce, 34 ins. diam., bears S. 42° E., 209 lks. dist., mkd. WP NM BT.

Monument stands on the E. rim of Wolf Creek Canon, bearing N. 20° E. and SW.; descend 365 ft. over broken steep NW. slope.

73.00 Gulch, course NW.

80.13 The proportional point; the 189th Mi. Cor. was not established by Darling; point falls on steep slide; impracticable to establish cor.

Land, broken mountainous.

Soil, sandy, gravelly, and stony loam and clay; 3rd rate.

Timber, balsam, spruce, and aspen.

THE DARLING LINE, 190TH MILE

REESTABLISHMENT

S. 89° 57' W., on a reestablishment of the 190th mile.

Descend 960 ft. over broken NW. slope, through scattering timber and undergrowth.

4.00 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 189 + 4 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A spruce, 6 ins. diam., bears S. 67° 50' W., 241 lks. dist., mkd. WP NM BT.

A spruce, 6 ins. diam., bears N. 57° W., 121 lks. dist., mkd. WP COLO BT.

10.50 Foot of steep descent; thence over rolling bench.

13.35 Small stream, 4 lks. wide, 2 ins. deep, course N.

51.50 Small stream, course N. 20° W.

54.65 The Carpenter witness corner to the 142nd Mi. Cor. bears North 49.56 chs. dist.; an iron post, firmly set in ground and mound of

Chains THE DARLING LINE, 190TH MILE

stone; I remove this monument and obliterate the marks on the two bearing trees and on the bearing object.

57.22 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 189 + 57.22 Chs., 1868-1925, and build a mound of stone around the monument;

from which

An aspen, 5 ins. diam., bears S. 76½ E., 149 lks. dist., mkd. WP NM BT.

An aspen, 6 ins. diam., bears N. 42¾ W., 50 lks. dist., mkd. WP COLO BT.

65.00 Top of bluff, leave bench; descend steep NW. slope.

67.00 Old fence line, bears N. 27½ W., and S. 27½ E.

80.13 The proportional point; unable to identify Darling's 190th Mi. Cor.; point falls in small side hill stream, course NW.; impracticable to reestablish this cor.

Land, rolling and broken mountainous.

Soil, gravelly and stony clay loam; 3rd rate.

Timber, balsam, spruce, and aspen; undergrowth, young timber and alders.

THE DARLING LINE, 191ST MILE

REESTABLISHMENT

S. 89° 57' W., on a reestablishment of the 191st mile.

Descend 173 ft. over NW. slope, through timber and undergrowth.

3.00 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 190 + 3 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A balsam, 14 ins. diam., bears N. 80¾ E., 100 lks. dist., mkd. WP COLO BT.

A balsam, 7 ins. diam., bears S. 61¼ W., 33 lks. dist., mkd. WP NM BT.

12.40 Left bank of Wolf Creek, bed 60 lks. wide, stream 15 lks. wide, 6 ins. deep, immediate course S. 10° W., general course S. 55° W.

Chains THE DARLING LINE, 191ST MILE

ascend 240 ft. over rolling and broken SE. slope to point in 192nd mile

31.44 Trail, bears N. and S.

41.41 The Carpenter 141.155 Mi. Cor. bears North, 41.25 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

53.05 Spring branch, course S.

57.00 Leave timber, bears S. and N. 80 W.

59.50 Side hill wash, course S. 20 E.

70.50 Enter dense oak brush, bears N. and S.

76.52 Telephone and telegraph line, bears S. 34¼ W. and N. 34¼ E., turning N. 44¼ E.

78.71 Railroad state line marker, bears North, 17 lks. dist.; a wooden post, 5x5x42 ins. above ground, firmly set in ground and mound of stone.

79.37 Denver and Rio Grande Western Railroad, bears S. 32½ W. and curving to NE.

80.13 The point for Darling's 191st Mi. Cor.; determined by a boulder, noted by Darling, in the 192nd mile; the boulder bears W., 9.30 chs. dist.; point for cor. falls in railroad cut; impracticable to re-establish this cor.;

from the point

A volcanic ledge of rock, bears N. 28¾ E.
Point on volcanic rock, bears N. 36¼ E.
Volcanic rock on ridge, bears S. 61½ E.
Volcanic rock on ridge, bears S. 59¾ E.
Center point on volcanic rock, bears S. 68½ E.
Mountain ridge having the appearance of white sand, bears S. 11 E.

Land, rolling and broken mountainous.

Soil, gravelly and stony clay loam; 3rd rate.

Timber, balsam, spruce, and aspen; undergrowth, young timber, alders, willows, and oak brush.

THE DARLING LINE, 192ND MILE

Chains

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 N. 0.8 lks. to the parallel; the 192nd Mi. Cor. has become obliterated.

160.00 N. 3.0 lks. to the parallel; the 193rd Mi. Cor. has become obliterated.

180.10 Altitude observation on the sun for time, August 27, 1931; hour angle observation of Polaris for azimuth, August 27, 1931.

240.78 N. 6.8 lks. to the parallel; thence the 194th Mi. Cor. bears N. 154.2 lks. dist.; on this determination the true line bears N. 89° 38′ W.

REESTABLISHMENT

Thence from the 191st Mi. Cor. N. 89° 38′ W., on a reestablishment of the 192nd mile.

Ascend over E. slope of railroad cut.

0.50 Construct a concrete monument, in a form 16x24x36 ins., set 28 ins. in the ground, with tablet seated in the top marked WC Mile Corner No. 191 + 0.50 Chs. W., 1868-1925, and build a mound of stone around the monument.

From the monument, ascend 620 ft. over steep broken SE. slope.

1.74 Colorado highway No. 17, bears N. 13° E. and New Mexico highway No. 2, bears S. 33¼° W.; enter undergrowth W. of highway.

9.30 A volcanic gravel boulder, in place, 16x10x6 ft. above ground; this boulder was noted by Darling and used by me to reestablish the point for the 191st Mi. Cor.; the point on the boulder due west of the 191st Mi. Cor., bears S., 6 lks. dist.

20.30 Enter scattering timber.

28.20 Cliff, 60 ft. high, curving from NE. to NW.; descend 615 ft. over SW. and NW. slopes.

54.01 The Carpenter 140th Mi. Cor. bears North, 41.31 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

69.80 Small creek, 5 lks. wide, course S.

72.50 Thence over NW. slope.

Chains

THE DARLING LINE, 192ND MILE

80.26 The proportional point; unable to identify Darling's 192nd Mi. Cor. Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 192, 1868-1925, and build a mound of stone around the monument:

from which

A balsam, 8 ins. diam., bears N. 19° E., 37 lks. dist., mkd. COLO 192 M BT.

A balsam, 11 ins. diam., bears S. 54½° E., 42 lks. dist., mkd. NM 192 M BT.

Land, broken mountainous.

Soil, gravelly and stony loam and clay; 3rd rate.

Timber, balsam, spruce, pine, and aspen; undergrowth, young timber, oak brush, and buck brush.

THE DARLING LINE, 193RD MILE

REESTABLISHMENT

N. 89° 38' W., on a reestablishment of the 193rd mile.

Descend 577 ft. over broken NW. and SW. slopes, through timber and undergrowth.

17.07 The Carpenter 139.496 Mi. Cor. bears North, 41.36 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

19.70 Wagon road, bears NW. and SE.

23.00 Leave timber, bears N. 20° E. and S. 60° W.

51.00 Draw, drains S. 75° W.; thence along gentle SW. slope.

78.60 Left cut bank of creek.

78.75 Creek, 10 lks. wide, course S. 40° W.

79.55 Right cut bank of creek.

80.26 The proportional point; unable to identify Darling's 193rd Mi. Cor. Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 193, 1868-1925, and build a mound of stone to top:

from which

High peak, bears N. 58½° W.—

Chains

THE DARLING LINE, 193RD MILE

Timbered peak, bears North.
Mountain slide, bears N. 21° E.
Volcanic ledge, bears N. 32° E.
Point of mountain ridge, bears N. 52° E.
Mountain peak, bears N. 75° E.
Mountain ridge, bears S. 30° E.
Mountain peak E. of valley, bears S. 1½° W.
Valley, bears S. 10° W.
Point of ridge, bears S. 18° W.
Land, rolling mountainous.
Soil, gravelly and slightly stony loam; 2nd rate.
Timber, balsam, spruce, and aspen; undergrowth, young timber.

THE DARLING LINE, 194TH MILE

REESTABLISHMENT

N. 89° 38′ W., on a reestablishment of the 194th mile.
Descend 50 ft. over gentle SW. slope, through open valley.

15.50 Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 193 + 15.50 Chs., 1868-1925, and build a mound of stone around the monument;
from which
A spruce, 33 ins. diam., bears N. 33½° E., 385 lks. dist., mkd. WP COLO BT.
A spruce, 24 ins. diam., bears S. 82° E., 50 lks. dist., mkd. WP NM BT.
Enter scattering timber at monument.

16.25 Road, bears N. 27½° W. and S. 23¾° E.

16.80 Dry bed or abandoned channel, course S. 20° W.

21.30 Left bank of the Chama River, bears N. and S.; 1.00 ch. S. turns SW.

24.85 Center of stream, in river bed, 30 lks. wide, 12 ins. deep, course S. 20° W. 50 lks. N. from N. 20° W.

25.15 Right bank of river, bears S. 20° W. and N. 20° E., 50 lks. N. turning to N. 20° W.; bank about 6 ft. high; ascend 170 ft. over steep NE. slope; enter dense timber.

Chains THE DARLING LINE, 194TH MILE

31.30 Crest of spur, slopes S. 60° E.; descend 50 ft. over SW. slope.

48.60 Wagon road at E. edge of small valley, bears NW. and SE.

50.30 Creek, 3 lks. wide, 2 ins. deep, course SE.; ascend 337 ft. over broken NE. slope.

53.03 The Carpenter 138th Mi. Cor. bears North, 41.38 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

77.90 Same creek, 5 lks. wide, 6 ins. deep, course N. 55° E.

80.26 Darling's 194th Mi. Cor.; a rotted fir stump, 14 ins. diam.; from which

A fir stump, 20 ins. diam., rotted to ground, bears S. 36½° E., 30 lks. dist.

A rotted fir stump, 24 ins. diam., bears N. 22° W., 46 lks. dist.

In place of stump

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 194, 1868-1925, and build a mound of stone around the monument;

from which

A balsam, 9 ins. diam., bears N. 75½° E., 24 lks. dist., mkd. COLO 194 M BT.

A spruce, 6 ins. diam., bears S. 49¾° E., 104 lks. dist., mkd. NM 194 M BT.

Land, rolling and broken mountainous.

Soil, sandy, gravelly, and stony loam and clay; 2nd and 3rd rate.

Timber, balsam, spruce, and aspen; undergrowth, young timber.

C O L O R A D O

ARCHULETA COUNTY

TIERRA AMARILLA GRANT

194 N 89° 38' W 80.26 193 N 89° 38' W 80.26 192 N 89° 38' W 80.26 WC 191 +0.50 W S 89° 57' W 80.13 190 +3.00 S 89° 57' W 80.13 189 +4.00 S 89° 57' W 80.13 188

15.50

Chama River

Rio Grande

Western R.R.

Creek

Wolf

Denver

(17) (2)

24 19

T.32 N., R.4 E.

T.32 N., R.5 E.

8500 9000 9500 10000

TIERRA AMARILLA GRANT

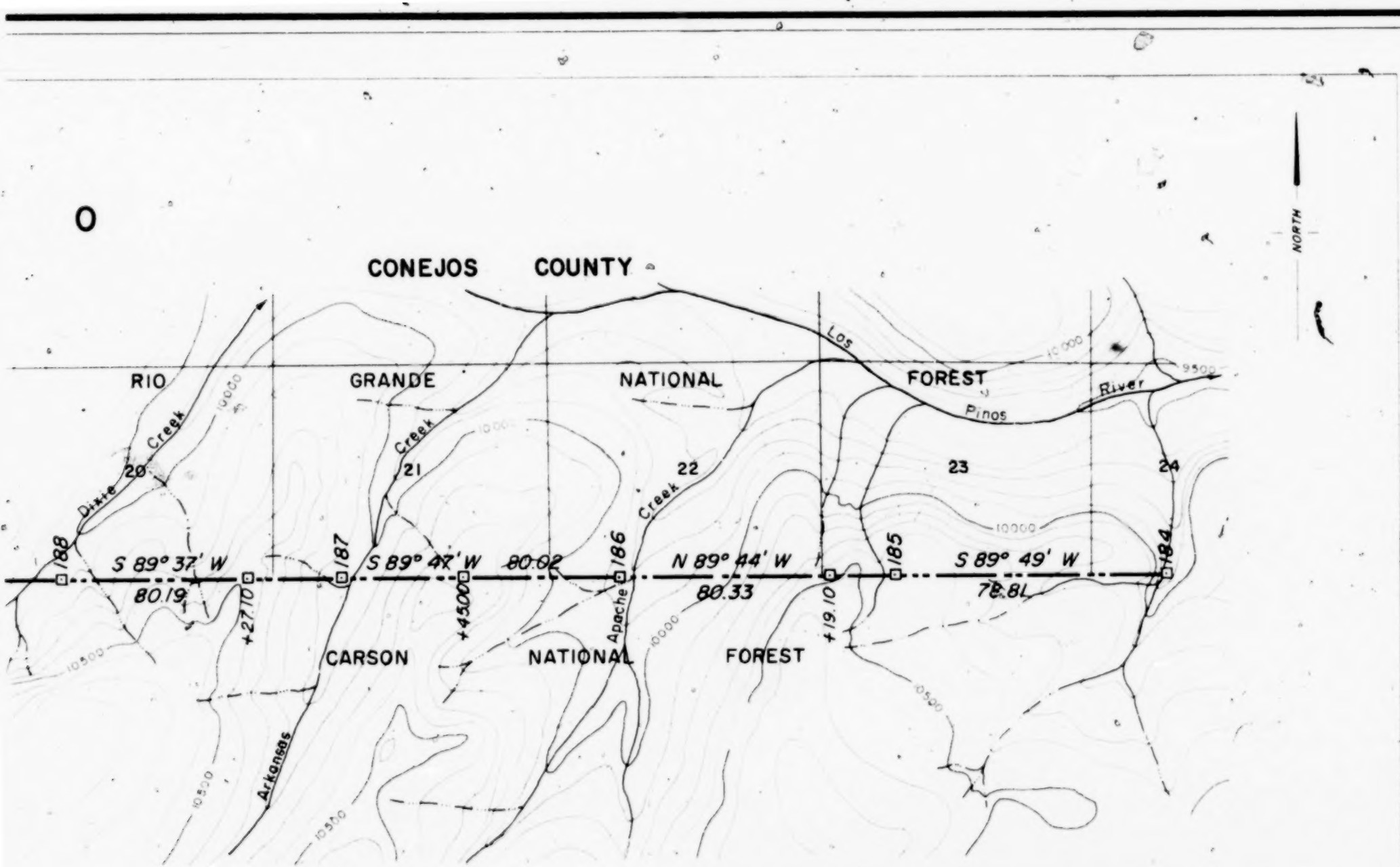
RIO ARRIBA COUNTY

N. E W M E X I

SCALE

0 10 20 30 40 80

40 Chains to the inch



COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925

Joseph C. Thoma
Commissioner

COLORADO AND NEW MEXICO BOUNDARY

FIELD NOTES AND MAP OF SURVEY

MILE CORNER No. 194

to

MILE CORNER No. 203

THE DARLING LINE, 195TH MILE

Chains *RETRACEMENT*

West, on a retracement of the Darling boundary, on a transit li describing a tangent.

80.00 N. 0.8 lks. to the parallel; the 195th Mi. Cor. has become obliterate Altitude observation on the sun for azimuth, August 26, 1931.

160.34 N. 3.0 lks. to the parallel; thence the 196th Mi. Cor. bears N. 120 lks. dist.; on this determination the true line bears N. 89° 34' W.

REESTABLISHMENT

Thence from the 194th Mi. Cor. N. 89° 34' W., on a reestablishmer of the 195th mile.

Ascend 676 ft. over broken E. slope, through timber and unde growth.

33.85 Wagon trail, bears N. and S.

34.30 Creek, 3 lks. wide, course S. 30° E. from N. 80° W.

53.39 The Carpenter 137th Mi. Cor. bears North, 41.12 chs. dist.; an iro post, firmly set in ground and mound of stone; I remove th monument and obliterate the marks on the four bearing trees.

67.95 Same creek, 5 lks. wide, course NE.

72.30 Wagon trail, bears N. 60° E. and S. 60° W.

80.17 The proportional point; unable to identify Darling's 195th Mi. Co 'onstruct a concrete monument, in a form 8x14x36 ins., set 24 in in the ground, with tablet seated in the top marked Mile Corn No. 195, 1868-1925, and build a mound of stone around the monu ment;

from which

A spruce, 8 ins. diam., bears S. 36¾° W., 115 lks. dist., mkd. N 195 M BT.

A spruce, 11 ins. diam., bears N. 2° W., 76 lks. dist., mkd. COL 195 M BT.

Land, broken mountainous.

Soil, gravelly and stony loam; 2nd rate.

Timber, spruce and aspen; undergrowth, young timber.

THE DARLING LINE, 196TH MILE

Chains *REESTABLISHMENT*

N. 89 34' W., on a reestablishment of the 196th mile.

Ascend 290 ft. over broken E. slope, through clumps of timber with open parks.

22.80 Small creek, course S. 60 E.

28.80 Enter willow brush in swamp, bears NE. and SW.

35.10 Leave swamp, bears N. 20 W. and S. 10 E.

53.27 The Carpenter 136th Mi. Cor. bears North, 41.03 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees.

54.90 Small creek, course S. 35 E.

77.50 Crest of mountain ridge, bears N. 40 W. and S. 40 E.; descend 14 ft. over gentle W. slope.

79.77 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked WC Mile Corner No. 196 + 0.40 Chs. E., 1868-1925, and build a mound of stone around the monument;

from which

A spruce, 19 ins. diam., bears S. 49¾ W., 57 lks. dist., mkd. WC NM 196 M BT.

A spruce, 15 ins. diam., bears N. 60¾ W., 37 lks. dist., mkd. WC COLO 196 M BT.

80.17 Darling's 196th Mi. Cor.; a fir tree, 18 ins. diam., mkd. 196 on E. face, blazes on each face, but I did not chop out the N., S., and W. blaze;

from which

A fir, 15 ins. diam., bears N. 25 E., 23 lks. dist., mkd. with upper and lower blaze, scribe marks BT on lower blaze, upper blaze not chopped out.

A fir, 16 ins. diam., bears S. 25 W., 15 lks. dist., mkd. NM M T

Land, broken mountainous.

Soil, gravelly and stony loam; 2nd rate.

Timber, spruce, fir, and aspen; undergrowth, young timber and willow brush.

THE DARLING LINE, 197TH MILE

Chains

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

80.00 The 197th Mi. Cor. was not established by Darling; point falls on steep W. slope, continue distance.

147.39 Altitude observation on the sun for azimuth, September 28, 1931.

160.22 N. 3.0 lks. to the parallel; thence the 198th Mi. Cor. bears S. 108.5 lks. dist.; on this determination the true line bears S. 89° 37' W.

REESTABLISHMENT

Thence from the 196th Mi. Cor. S. 89° 37' W., on a reestablishment of the 197th mile.

Descend 32 ft. over W. slope, through timber and undergrowth.

3.30 Foot of descent; ascend 60 ft. along S. slope.

17.80 Top of ascent; descend 656 ft. over S., W., NW., and SW. slopes.

29.04 The Carpenter 135.3 Mi. Cor. bears North, 41.25 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the three bearing trees.

48.30 Slope changes to W.

60.00 Leave large timber, enter young spruce and continue in aspen; slope changes to NW.

67.00 Slope changes to steep W.; reenter large timber.

71.70 Small hillside wash, drains SW.; slope changes to SW.

79.50 Slope changes to steep W.

80.11 The proportional point; the 197th Mi. Cor. was not established by Darling.

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 197, 1868-1925, and build a mound of stone around the monument;

from which

A balsam, 12 ins. diam., bears N. 52° E., 13 lks. dist., mkd. COLO 197 M BT.

THE DARLING LINE, 197TH MILE

A pine, 8 ins. diam., bears S. 26½ E., 59 lks. dist., mkd. NM 197 M BT.

Land, rolling and broken mountainous.

Soil, gravelly and stony loam and clay; 2nd and 3rd rate.

Timber, spruce, fir, pine, and aspen; undergrowth, young timber.

THE DARLING LINE, 198TH MILE

REESTABLISHMENT

S. 89° 37' W., on a reestablishment of the 198th mile.

Descend 90 ft. over steep W. slope, through dense timber and undergrowth.

3.66 Old logging road in draw, course S. 10° W.; ascend 115 ft. over steep S. 80° E. slope.

7.85 Crest of spur, slopes S.; descend 550 ft. over W. and SW. slopes.

11.10 Top of sandstone bluff, at S. end; thence over steep W. slope.

22.80 Slope changes to SW.

37.00 Foot of steep slope, enter valley.

39.00 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 197 + 39 Chs., 1868-1925, and build a mound of stone around the monument;

from which

A balsam, 24 ins. diam., bears N. 80½ E., 296 lks. dist., mkd. WP COLO BT.

A spruce, 10 ins. diam., bears S. 30° 25' E., 316 lks. dist., mkd. WP NM BT.

39.23 Wagon road, bears N. 35° E. and S. 27° W.

39.75 Old left bank of creek, willow brush along bank, bears N. and S.

40.90 Present channel of creek, 10 lks. wide, 3 ins. deep, course S. 10° W.

41.05 Right bank of creek, leave willow brush; ascend 176 ft. over S. 80° E. slope.

42.20 Leave valley.

43.00 Crest of low spur, slopes S. 20° E.; descend 10 ft. along S. slope.

Chains THE DARLING LINE, 198TH MILE

58.00 Foot of descent; ascend 267 ft. over E. and NE. slopes.

59.70 Leave timber, bears N. and S.; enter scattering oak brush.

65.00 Slope changes to NE.

66.90 The Carpenter 133.825 Mi. Cor. bears North, 42.66 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the two bearing trees.

67.30 Enter aspen, bears N. and S.

71.25 Crest of spur ridge, slopes N. to saddle and ascends S. to knoll; descend 171 ft. over W. slope.

74.00 Divide between creek and Chamita River, bears N. 30 W. and S. 10 E.

80.11 Darling's 198th Mi. Cor.; a stump hole;
from which
A spruce snag, 16 ins. diam., bears S. 40 E., 9 lks. dist.
A stump hole, bears N. 15 W., 6 lks. dist.
In stump hole
Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 198, 1868-1925, and build a mound of stone around the monument;
from which
An aspen, 5 ins. diam., bears N. 22¼ E., 53½ lks. dist., mkd. COLO 198 M BT.
An aspen, 5 ins. diam., bears S. 11½ E., 21 lks. dist., mkd. NM 198 M BT.
Land, broken mountainous.
Soil, gravelly and stony clay and black loam; 2nd and 3rd rate.
Timber, spruce, balsam, pine, and aspen; undergrowth, young timber and oak brush.

THE DARLING LINE, 199TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

70.00 Altitude observation on the sun for azimuth, September 21, 1931.

Chains

THE DARLING LINE, 199TH MILE

79.39 N. 0.8 lks. to the parallel; thence the position for the 199th Mi. Cor. bears S. 49.4 lks. dist.; on this determination the true line bears S. 89° 39' W.

The Supreme Court record shows that two previous retracements have been made from the 196th to the 202nd mile corners, and that no evidence was found of the intervening Darling monuments; both retracements showed a large discrepancy in the latitude of the boundary. After running the preliminary trial lines, making adjustments for the differences in latitude, and completing the map, some evidence was found in each mile for an exact control otherwise in complete harmony with the Darling field notes, by which to restore the 199th, 200th and 201st mile corners. See the true line field notes for the identification of the wall of trap rock on the 199th mile; the dry drain just west of the 199th mile corner; the creek crossing just west of the 200th mile corner; the crossing of the Chamita River on the 201st mile; and the bearings to very prominent points at the 201st mile corner.

REESTABLISHMENT

Thence from the 198th Mi. Cor. S. 89° 39' W., on a reestablishment of the 199th mile.

Descend 160 ft. along S. side of a small draw, through aspen timber and undergrowth.

10.50 Dry creek bed, course S. 25° W.; ascend 140 ft. over SE. slope.

11.40 Leave aspen, bears N. and S.

16.40 Crest of spur, slopes S.; descend 108 ft. over W. slope.

19.60 Enter timber, bears N. and S.

21.90 Small canon, course S.; ascend 125 ft. over SE. slope.

26.20 Crest of spur, slopes S.; thence along broken S. slope; leave timber, bears N. and S.

32.80 South end of trap rock, on W. side of spur ascending N.; this rock has the appearance of a stone wall from the W. side, it is from 4 to 6 ft. wide and extends N., 2.51 chs. dist., and rock outcrop extends N., 5.00 chs. dist., it is 12 ft. high at the S. end, 3 ft. high at the N. end, 18 ft. high on the W., 8 ft. high on the E., the highest point, N., 63 lks. dist.; this stone wall is noted by Darling and

Chains THE DARLING LINE, 199TH MILE

employed by me to determine the position in latitude for Darling's 199th Mi. Cor.; descend 200 ft. over SW. slope.

34.50 Enter timber, bears N. and S.

42.95 Small canon, course S. 25° W.; ascend 40 ft. over SE. slope.

45.40 Spur, slopes S.; descend 50 ft. over SW. slope.

50.00 Draw, course S. 25° E.; ascend 115 ft. over NE. slope.

53.37 The Carpenter 133rd Mi. Cor. bears North, 44.14 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the three bearing trees.

55.80 Crest of spur, slopes S. 25° E.; descend 200 ft. over W. slope.

71.00 Head of canon, course S. 60° W.; ascend 45 ft. over SE. slope.

76.50 Crest of spur, slopes SW.; descend 75 ft. over NW. slope.

79.39 The point for Darling's 199th Mi. Cor.; determined by true line proportional distance for position in longitude and by the S. end of stone wall hereinbefore mentioned at 32.80 chs. dist.

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground and in a concrete base, with tablet seated in the top marked Mile Corner No. 199, 1868-1925, and build a mound of stone around the monument;

from which

A spruce, 8 ins. diam., bears N. 75¾° E., 23 lks. dist., mkd. COLO 199 M BT.

A Douglas fir, 16 ins. diam., bears S. 3° W., 26 lks. dist., mkd. NM 199 M BT.

Land, broken mountainous.

Soil, gravelly and stony loam; 2nd and 3rd rate.

Timber, fir, spruce, and aspen; undergrowth, young timber and oak brush.

THE DARLING LINE, 200TH MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

79.22 N. 0.8 lks. to the parallel; thence the position for the 200th Mi. Cor.

Chains

THE DARLING LINE, 200TH MILE

bears S. 523.9 lks. dist.; on this determination the true line bears S. 86° 13' W.

RE-ESTABLISHMENT

Thence from the 199th Mi. Cor. S. 86° 13' W., on a reestablishment of the 200th mile.

Descend 33 ft. over steep W. slope, through timber and undergrowth.

0.90 Center of draw in canon, course S. 35° W.; ascend 260 ft. over SE. slope.

15.40 Crest of spur, slopes S. 45° W.; descend 395 ft. over W. and along S. slopes.

35.50 Draw, course S. 30° W.; thence along S. slope; leave oak brush.

38.09 The Carpenter 132.2 Mi. Cor. bears North, 46.61 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the three bearing trees.

79.39 The point for Darling's 200th Mi. Cor.; determined by true line proportional distance for position in longitude and by deflecting the line South from the 199th Mi. Cor. for position in latitude until the distance to the creek west of the 200th Mi. Cor. agreed with the Darling record.

Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 200, 1868-1925, and build a mound of stone around the monument.

Land, rolling mountainous.

Soil, sandy and stony loam; 2nd rate.

Timber, scattering spruce and aspen; undergrowth, young timber and oak brush.

THE DARLING LINE, 201ST MILE

RETRACEMENT

Altitude observation on the sun for time, September 21, 1931; hour angle observation of Polaris for azimuth, September 21, 1931.

West, on a retracement of the Darling boundary, on a transit line describing a tangent.

Chains	THE DARLING LINE, 201ST MILE
79.37	N. 0.8 lks. to the parallel; thence the position for the 201st Mi. Cor. bears S. 175.5 lks. dist.
158.74	N. 3.0 lks. to the parallel; thence the 202nd Mi. Cor. bears S. 351.0 lks. dist.; on this determination the true line bears S. 88° 44' W.

REESTABLISHMENT

Thence from the 200th Mi. Cor. S. 88° 44' W., on a reestablishment of the 201st mile.

Descend 102 ft. over S. and SW. slopes, through open valley.

1.00	Road, bears N. 30° E. and S. 15° W.
2.72	Left bank of creek, bears N. 20° E. and S. 20° W. turning S. 35° W.; enter alders.
3.10	Point midway between banks in small channel; Darling's recorded distance.
3.42	Present channel of creek, 10 lks. wide, 6 ins. deep, general course S. 30° W.
3.52	Right bank of creek; leave alders.
20.00	Point of low spur, slopes S.; thence over SW. slope.
37.60	Left bank of the Chamita River, bears NW. and SE.
38.15	Center of the dry bed of the river, course SE. from N. 80° W.; general course S. 68° E.
38.70	Right bank of the river, bears SE. and turning to N. 80° W.; ascend 132 ft. over gentle NE. slope.
40.90	Old channel, course SE.
53.90	Wagon road, bears N. and S.
54.07	The Carpenter 131st Mi. Cor. bears North, 51.16 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the bearing tree.
58.90	Old trail, bears NW. and SE.
62.64	Colorado highway No. 17, to New Mexico highway; bears N. 47° W. and S. 47° E.
63.50	Construct a concrete monument, in a form 16x24x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner

Chains

THE DARLING LINE, 201ST MILE

No. 200 + 63.50 chs., 1868-1925, and build a mound of stone around the monument.

79.39 The proportion point; unable to identify Darling's 201st Mi. Cor. Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 201, 1868-1925, and build a mound of stone around the monument;

from which

Conical peak, bears N. 40° 08′ E.

Left point of Navajo Peak, bears N. 24° W.

Northern point of mountain, bears S. 66° E.; this is the mountain mentioned at the 191st Mi. Cor. as having the appearance of white sand.

Land, gently rolling valley.

Soil, sandy and slightly stony loam and clay; 2nd rate.

Undergrowth, alders along creek.

THE DARLING LINE, 202ND MILE

REESTABLISHMENT

S. 88° 44′ W., on a reestablishment of the 202nd mile.

Ascend 50 ft. over NE. slope, through scattering oak brush.

7.60 Crest of spur, slopes NE.; descend 53 ft. over NW. slope.

14.40 Dry creek bed, course NE.; ascend 170 ft. over SE. slope.

15.30 Old road, bears NE. and SW.

17.70 Enter dense oak brush, bears NE. and SW.

26.00 Enter scattering timber, bears N. and SW.

32.00 Crest of spur, slopes NE.; descend 17 ft. over gently rolling NW. slope.

42.95 Dry creek bed, course NE.; ascend 353 ft. over SE. and E. slopes.

54.78 The point for the Carpenter 130th Mi. Cor. bears North, 53.34 chs. dist.; a mound of stone; post had been removed; I obliterate the marks on the four bearing trees; This corner is the SE. corner of the Crawley Ranch; I set the housing of the rear axle of a Model T Ford car, 24 ins. in the ground, to preserve the point, from which the Continental Divide bears West, 2.21 chs. dist.

Chains

THE DARLING LINE, 202ND MILE

79.39 Darling's 202nd Mi. Cor.: mkd. by an aspen post, 3 ins. square, 2 ins. above ground, loosely set, in an aspen stump hole, mkd. C o N., NM on S., 1901 on W., and 202 M on E. face (set by Blai Burwell in 1901);

from which

A rotted aspen stump, bears North, 17 lks. dist.

A dead aspen, 16 ins. diam., bears South, 27 lks. dist., with over growth not completely covering the old blaze; fragments o scribe marks visible between the overgrowth.

In the stump hole

Construct a concrete monument, in a form 8x14x36 ins., set 24 ins in the ground, with tablet seated in the top marked Mile Corne No. 202, 1868-1925, and build a mound of stone around the monu ment; reset Burwell's post by W. side of monument;

from which

A spruce, 13 ins. diam., bears N. 2° E., 8 lks. dist., mkd. COL 202 M BT.

A spruce, 14 ins. diam., bears S. 2° W., 8 lks. dist., mkd. NM 202 M BT.

Land, rolling mountainous.

Soil, slightly stony loam; 2nd rate.

Timber, spruce and aspen; undergrowth, young timber and oak brush.

THE DARLING LINE, 203RD MILE

RETRACEMENT

West, on a retracement of the Darling boundary, on a transit lin describing a tangent.

68.67 Altitude observation on the sun for azimuth, September 16, 1931.

80.18 N. 0.8 lks. to the parallel; thence the 203rd Mi. Cor. bears S. 50 lks. dist.; on this determination the true line bears S. 89° 38' W.

REESTABLISHMENT

Thence from the 202nd Mi. Cor. S. 89° 38' W., on a reestablishmen of the 203rd mile.

Ascend 33 ft. over E. slope, through timber and undergrowth.

Chains THE DARLING LINE, 203RD MILE

5.10 Construct a concrete monument, in a form 8x14x36 ins., set 24 ins. in the ground, with tablet seated in the top marked Mile Corner No. 202 + 5.10 chs., 1868-1925, and build a mound of stone around the monument:

from which

A balsam, 8 ins. diam., bears N. 16° E., 12½ lks. dist., mkd. WP COLO BT.

A spruce, 24 ins. diam., bears S. 53¼° W., 93 lks. dist., mkd. WP NM BT.

Monument stands on the crest of the Continental Divide, bearing N. 12¼° W. and S. 11½° W.

8.80 Draw, course N.; ascend 50 ft. over NE. slope.

14.00 Crest of spur, slopes N. 5° E.; thence descend and ascend along broken NW. and N. slopes; ascending 31 ft. to the cor.; this spur was mistaken for the Continental Divide by Darling.

24.00 Slope changes to N.

54.77 The Carpenter 129th Mi. Cor. bears North, 54.64 chs. dist.; an iron post, firmly set in ground and mound of stone; I remove this monument and obliterate the marks on the four bearing trees; this corner is a line corner on the S. bldg. of the Crawley Ranch; I set the housing of the rear axle of a Model T Ford car, 30 ins. in the ground, to preserve the point.

55.35 E. end of sink hole, bears S., 85 lks. dist.; 150 lks. long E. and W. x 30 lks. wide N. and S.

61.35 Leave timber, bears N. and S.; enter open park approximately 10 chs. N. and S.

65.70 Enter timber, bears N. and S.

67.85 Stream bed, course N. 35° W.

70.00 N. end of open park, bears S., approximately 15 chs., and averages about 5 chs. wide.

71.00 Leave N. end of open park.

80.18 Darling's 203rd Mi. Cor. as reestablished by Perkins in 1917; an iron post, 3 ins. diam., 12 ins. above ground, firmly set in ground, in a stump hole, with brass cap marked and witnessed as described in the official record.

Chains THE DARLING LINE, 203RD MILE

Around the post

Construct a concrete monument, in a form 8x14x36 ins., set 20 ins. in the ground, with tablet seated in the top marked Mile Corner No. 203, 1868-1925, and build a mound of stone around the monument;

from which

A spruce, 16 ins. diam., bears S. 37½ W., 80 lks. dist., mkd. NM 203 M BT.

A spruce, 12 ins. diam., bears N. 45½ W., 95 lks. dist., mkd. COLO 203 M BT.

Land, rolling mountainous.

Soil, sandy and stony loam; 2nd rate.

Timber, spruce and aspen; undergrowth, young timber.

C O L O R A D O

ARCHULETA COUNTY

TIERRA AMARILLA GRANT

DIVIDE

Chamita

Sexto Creek

Nabor Creek

17

203 — S 89° 38' W 80.18 — 202 — +57.0 — S 88° 44' W 79.39 — 201 — +63.50 — S 88° 44' W 79.39 — 200 — S 86° 13' W 79.39 — 199 — S 89° 39' W — 198 — S 89° 37' W 80.11 — 197 — +39.00

CONTINENTAL

9000

8500

TIERRA AMARILLA GRANT

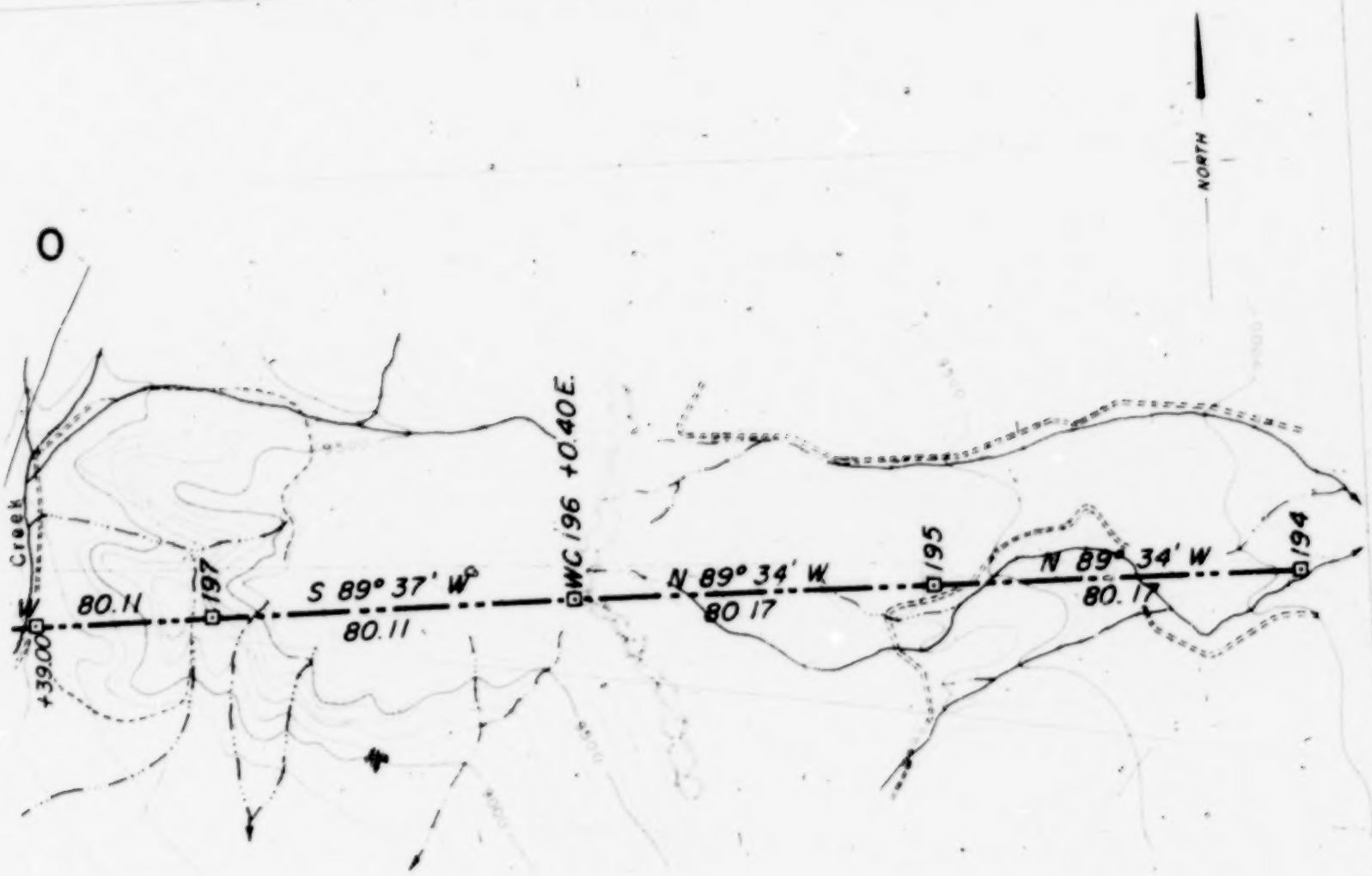
RIO ARRIBA COUNTY

N E W M E X I C O

SCALE

0 10 20 30 40

40 Chains to the inch



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COLORADO AND NEW MEXICO BOUNDARY

This plat depicts the boundary line between the States of Colorado and New Mexico as reestablished by the late Arthur D Kidder, Boundary Commissioner, under the Decree (268 U.S. 108) of the Supreme Court of the United States, dated April 13, 1925

Joseph C. Thoma
Commissioner

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